

**Hall Drilling**

**Docket 196-188**  
**1/6/09**

BEFORE THE OIL AND GAS CONSERVATION COMMISSION  
OF THE STATE OF WEST VIRGINIA

IN THE MATTER OF THE REQUEST BY  
HALL DRILLING, LLC FOR EXCEPTION  
LOCATIONS REGARDING THE DRILLING OF  
THE PROPOSED WELLS IDENTIFIED AS THE  
HICKMAN/FORD #1, HICKMAN/FORD #2,  
NEWLON #3, NEWLON #4, NEWLON #6,  
AND THE WELCH #1 TO BE LOCATED  
IN GRANT DISTRICT, DODDRIDGE COUNTY  
AND TENMILE DISTRICT, HARRISON  
COUNTY, WEST VIRGINIA.

DOCKET NO. 196  
CAUSE NO. 188

**TRANSCRIPT OF PROCEEDINGS** had or testimony  
adduced in the above-entitled matter, on the on the 6<sup>th</sup> day  
of January, 2009, commencing at 11:01 a.m. and concluding  
at 11:39 a.m., at the Office of the Department of  
Environmental Protection, 601 57<sup>th</sup> Street, S.E.,  
Charleston, Kanawha County, West Virginia, pursuant to  
notice to all interested parties.

BEFORE: JAMES MARTIN, Acting Chairman  
ANTHONY GUM, Member  
ROBERT RADABAUGH, Member  
CYNTHIA RAINES, Staff

**ORIGINAL**

**NANCY MCNEALY**  
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APPEARANCES: ON BEHALF OF HALL DRILLING AND  
BLUESTONE ENERGY PARTNERS:

**GREGORY R. BARTON**

215 E. Washington Avenue  
Post Office Box 249  
Ellenboro, West Virginia 26346

# INDEX

<u>Applicant's Witness:</u>	<u>Direct</u>	<u>Examination</u>
Thomas Wince	5	6 (Martin)

<u>Commission's Exhibits:</u>	<u>Marked</u>	<u>Received</u>
No. 1, Notice of Hearing and Return Receipt Cards	4	4
No. 2, Legal Advertisements	4	4
No. 3, Permit Applications	4	4

Reporter's Certificate.....Page 23



1                   CHAIRMAN MARTIN:     Before the Oil and Gas  
2     Conservation Commission of the State of West Virginia in  
3     the matter of the Request by Hall Drilling, LLC for  
4     Exception Locations Regarding the Drilling of the Proposed  
5     Wells Identified as the Hickman/Ford No.1, Hickman/Ford  
6     No.2, Newlon No. 3, Newlon No. 4, Newlon No. 6, and the  
7     Welch No. 1 to be Located in Grant District, Doddridge  
8     County and Tenmile District, Harrison County, West  
9     Virginia. This is Docket 196, Cause 188.

10                   I'd like to place of record Notice of the  
11     Hearing with the Return Receipt Cards as Exhibit 1.  
12     Exhibit 2 are the legal advertisements. Exhibit -- Exhibit  
13     2. Exhibit 3, Permit Applications for the subject  
14     applications.

15   (WHEREUPON, the Notice of Hearing  
16   & Return Receipt Cards, Legal  
17   Advertisements and Permit  
18   Applications were marked as  
19   Exhibit Nos. 1, 2, and 3 for  
20   identification and received in  
21   evidence.)

22                   CHAIRMAN MARTIN:     Let the record show that  
23     present today are members of the Commission, Tony Gum,  
24     Robert Radabaugh, James Martin, and from Staff, Cindy

1 Raines and we will take appearances.

2 MR. WINCE: Tom Wince, Hall Drilling and  
3 Bluestone Energy.

4 MR. BARTON: Greg Barton, Hall Drilling and  
5 Bluestone Energy.

6 CHAIRMAN MARTIN: Let's swear the witnesses,  
7 please.

8 (Witnesses sworn)

9 CHAIRMAN MARTIN: Okay, gentlemen.

10 THEREUPON

11 **T H O M A S W I N C E**

12 **G R E G B A R T O N**

13 called as a witnesses on behalf of Hall Drilling, LLC,  
14 having been first duly sworn, testified as follows:

15 **DIRECT EXAMINATION**

16 WITNESS WINCE: The first well we have,  
17 Hickman/Ford Lease Well No. 1, 159½ acres. The distance  
18 from the nearest lease line, 100 feet. Permitted deep  
19 wells within 3,000 feet: Permit No. 47-017-5775, Hall  
20 Drilling Hickman/Ford No. 2; Permit No. 47-017-5665, Hall  
21 Drilling Underwood No. 2, and the third well is Permit No.  
22 47-17-5657, Hall Drilling Rominger No. 1 applying for a  
23 deep well permit to drill within 100 foot to the Onondaga,  
24 and Hall Drilling has no issue drilling within 3,000 feet

1 of our own wells as proposed to well's relationship to  
2 proposed Hickman/Ford No. 1.

3 **EXAMINATION**

4 BY CHAIRMAN MARTIN:

5 Q Mr. Wince, these are -- or this Hickman/Ford  
6 No. 1 is a Marcellus well --

7 A Yes, sir.

8 Q -- or a proposed vertical Marcellus?

9 A Vertical Marcellus.

10 Q And according to the plat, there's a Permit  
11 634 and a Permit 583, both within 3,000 feet. You did not  
12 identify those as deep well so I'm assuming those are  
13 shallow wells; is that correct?

14 A Yes.

15 Q Your plat also indicates approximately 100  
16 feet from the lease line. Is there any reason that that  
17 well couldn't be placed to the east --

18 A Terrain.

19 Q -- to give you the distance?

20 A Terrain.

21 Q When you say terrain, is it -- it's -- what  
22 do you mean by that?

23 A Buildable location.

24 Q So it's steeper perhaps or -

1           A     Steeper or not a civil location. We try to  
2 work with the surface owners on location.

3           Q     Are you familiar with the access road to  
4 this well?

5           A     I'm not familiar with it.

6           Q     Mr. Barton, are you familiar with the access  
7 road? I just want to make sure I'm looking at the right  
8 map. Does this -- is this well accessed from the south?

9           WITNESS BARTON:     Yes, sir.

10          CHAIRMAN MARTIN:     And it's --

11          WITNESS BARTON:     It's accessed from an area  
12 called Long Run.

13          CHAIRMAN MARTIN:     And it looks like we're close  
14 to a mile of access road?

15          WITNESS BARTON:     Yes, sir. It comes off of  
16 what they call Long Run and across the -- another leasehold  
17 of ours onto that particular tract. The accessibility to  
18 this is the only way to reach this property due to the  
19 Route 50 which runs through this property. There's no  
20 access off of 50 onto the southern part of this tract.  
21 Neither for the surface owners or for ourselves so we had  
22 to obtain right-of-way even through our own leasehold onto  
23 the other one. It's landlocked rather, in other words.

24          CHAIRMAN MARTIN:     Any questions from about

1 this?

2 MR. RADABAUGH: Nothing from me.

3 CHAIRMAN MARTIN: Okay, do you want to go on to  
4 your next well.

5 WITNESS WINCE: Yes, our next well, it's the  
6 Hickman/Ford Lease Well No. 2. Acreage 159½. Distance  
7 from nearest lease line is 140 feet. Permitted deep wells  
8 within 3,000 feet: No. 1, Permit No. 47-017-5774, Hall  
9 Drilling Hickman/Ford No. 1. We're applying for a deep  
10 well permit to drill within 100 foot into the Onondaga.  
11 Hall Drilling has no issues of drilling within 3,000 feet  
12 of our own wells as relationship to the Hickman/Ford No.2.

13 CHAIRMAN MARTIN: Do you know anything about  
14 Permit 5119, who operates that well?

15 WITNESS BARTON: I believe it's Dominion, but  
16 I believe that's who was in that northern part of that  
17 section, but I believe it's Dominion.

18 MS. RAINES: Yes.

19 CHAIRMAN MARTIN: And it's a shallow well?

20 WITNESS BARTON: Yes, sir.

21 CHAIRMAN MARTIN: Do you know what formation  
22 it's in?

23 WITNESS BARTON: I believe in that particular  
24 area they're Benson and there is some Injun, but I believe

1 this is a Benson.

2 CHAIRMAN MARTIN: Anything on this one, Mr.  
3 Wince, anything further?

4 WITNESS WINCE: No.

5 BY CHAIRMAN MARTIN:

6 Q It appears that the -- if you tried to move  
7 this well to the west to get away from the lease line,  
8 you're going to be encroaching on 5774; is that correct?  
9 That's the problem with doing that?

10 A Yes, it would tighten the spacing.

11 Q And you stated earlier that you tried to  
12 work with the landowners and one of the reasons sometimes  
13 these wells are depicted where they are is to accommodate  
14 that. Is that the situation here with the Hutsons?

15 WITNESS BARTON: That is the -- also the  
16 train, but in this particular instance on this particular  
17 tract to accommodate the surface owner who had no partake  
18 of the minerals in this instance, we forego the northern  
19 part of this tract across 50 to the north because of his  
20 home located there in consideration of him granting us a  
21 pipeline right-of-way to access our gas out of that area as  
22 well as only drilling two wells in the southern part. That  
23 was our negotiating point.

24 Now I may further go on and state that the

1 gentleman is also in the oil and gas business and would  
2 have the right to drill shallow wells if he so desires on  
3 his northern tract -- northern part of that tract, okay, if  
4 he so desires. We have relinquished that right without  
5 further permission from him so.

6 CHAIRMAN MARTIN: Thank you.

7 WITNESS WINCE: Our next well was the Newlon  
8 Lease, 144 acres, Well No. 3. The distance from the  
9 nearest lease line, 380 feet. Permitted deep wells within  
10 3,000 feet: No. 1, Permit No. 47-017-5586, Hall Drilling  
11 Newlon No. 2; No. 2, Permit No. 47-017-5647, Hall Drilling  
12 Chess No. 1; No. 3 is Permit No. 47-017-5751, Hall Drilling  
13 Ash No. 1; No. 4 is Permit No. 47-017-5780, Hall Drilling  
14 Newlon No. 6; No. 5, is Permit No. 47-17-5782, Hall  
15 Drilling Van Scoy No. 1; No. 6 is Permit No. 47-033-5183,  
16 Hall Drilling Newlon No. 4; No. 7 is Permit No. 47-033-  
17 5018, Hall Drilling Harbert No. 2; No. 8, Permit No. 47-  
18 033-5016, Hall Drilling in Ritter No. 1 and No. 9 is Permit  
19 No. 47-017-5782, Hall Drilling Newlon No. 3, and No. 10 is  
20 Permit No. 47-033-5135, Hall Drilling Harbert No. 1.

21 We are applying for a deep well permit to  
22 drill within 100 feet into the Onondaga, and Hall Drilling  
23 has no issue drilling within 3,000 feet of our own wells as  
24 in relationship to the proposed Newlon Well No. 3.

1 MR. RADABAUGH: 5782, you've got it --

2 MS. RAINES: This is 5782.

3 MR. RADABAUGH: Right, this is 57 and then  
4 you've got it down for the Van Scoy No. 1 and, of course,  
5 the Newlon No. 1 is the one we're talking about so --

6 WITNESS WINCE: Yeah, so I made a mistake on  
7 that.

8 MR. RADABAUGH: So you've actually only got  
9 nine -- nine in that area. I put it back but the Van Scoys  
10 should be in there somewhere; shouldn't it?

11 CHAIRMAN MARTIN: Is there -- do you know what  
12 -- is the Van Scoy No. 1 within 3,000 feet?

13 MR. RADABAUGH: It's probably 5777.

14 WITNESS BARTON: It should be if not closer.

15 CHAIRMAN MARTIN: Or is it even -- is the Van  
16 Scoy No. 1 a deep well or a deep well permit?

17 MR. RADABAUGH: 5604.

18 WITNESS WINCE: 5604.

19 WITNESS BARTON: I think I pulled that. I did  
20 pull that.

21 MS. RAINES: It's a shallow.

22 WITNESS BARTON: It's a shallow but it is  
23 close. It's pretty close to this lease, so it's -- it's  
24 just across the road, across the four-lane over the hill.



1 I mean it's not too far. I think we pulled it and it's a  
2 shallow well. Do you show it on -- did they show it on the  
3 plat?

4 WITNESS WINCE: No, it's not shown on the  
5 plat. That's 5604's Permit No.

6 WITNESS BARTON: Is the Van Scoy?

7 WITNESS WINCE: Yes. Van Scoy No. 1.

8 CHAIRMAN MARTIN: So it's not within 3,000 feet  
9 apparently?

10 WILLIAM BARTON: It appears not.

11 CHAIRMAN MARTIN: Which leaves you with eight  
12 wells within 3,000 feet of 5702; is that correct?

13 WITNESS WINCE: Yes.

14 WITNESS BARTON: Here's this one, 5604 right  
15 there. It's now No. 6, okay.

16 MS. RAINES: The Marcellus is a shallow  
17 well.

18 WITNESS BARTON: Do you consider that -- is  
19 that a shallow, or is that deep?

20 WITNESS WINCE: It's a Marcellus.

21 WITNESS BARTON: It's a Marcellus but it's  
22 permitted shallow. So on this one, excuse me, gentlemen, I  
23 just -- I'm sorry. On this one on your Newlon lease, it's  
24 not within 3,000, but when I jump to my No. 6 it is.

1 WITNESS WINCE: Yes.

2 WITNESS BARTON: Sorry.

3 CHAIRMAN MARTIN: Do you have any information  
4 as to the depth or the type of permit for the Chess No. 1?  
5 You've got it -- you've got it listed as within 3,000 feet  
6 as a deep well but -

7 WITNESS WINCE: It's a Marcellus well.

8 CHAIRMAN MARTIN: Is it more than 20 -- I mean  
9 was it permitted as a deep well?

10 WITNESS BARTON: No.

11 CHAIRMAN MARTIN: Okay, so that was not  
12 permitted as a deep well so now we're down to seven.

13 MR. RADABAUGH: Six.

14 WITNESS BARTON: Six.

15 MS. RAINES: Okay.

16 CHAIRMAN MARTIN: Tom, you said six wells?

17 MR. GUM: That's what I had counted  
18 there but I don't know. I didn't write them down.

19 CHAIRMAN MARTIN: Well, I was taking --  
20 subtracting -- you listed ten originally?

21 WITNESS WINCE: Yes.

22 CHAIRMAN MARTIN: And one of those was this  
23 well so I was going to take it out of the mix.

24 WITNESS WINCE: Yeah.

1 CHAIRMAN MARTIN: And the Newlon 3, we take out  
2 of the mix cause it's a shallow well.

3 MR. RADABAUGH: And then the Chess.

4 CHAIRMAN MARTIN: And the Chess No. 1 so that  
5 leaves you with seven. Is that right? Seven out of --

6 MR. RADABAUGH: Okay.

7 WITNESS WINCE: Yes.

8 BY CHAIRMAN MARTIN:

9 Q Okay. So those seven wells we believe or  
10 you believe are permitted as deep wells within 3,000 feet  
11 of the proposed Newlon No. 3?

12 A Yes.

13 Q And that's all that you believe exist in  
14 terms of deep wells -- permitted deep wells --

15 A Yes.

16 Q -- within 3,000 feet? Okay. You've got 380  
17 feet from the lease line and why can that not be 400 feet?

18 A Terrain on this particular tract.

19 WITNESS BARTON: And on this particular farm,  
20 it is being -- the fields are being cut for hay so we try  
21 to locate these wells as not to interfere as least as  
22 possible with the surface owner's ability to harvest hay  
23 off this particular tract.

24 CHAIRMAN MARTIN: When that -- in these

1 instances like that, are they actually signing waivers?

2 WITNESS BARTON: Yes, sir. Or she has -- I  
3 can't tell you on this particular one, but Mrs. Ritter owns  
4 the surface to this and the lease known as Ritter No. 1 and  
5 sometimes she signs and sometimes she just lets it go  
6 through and a family friend so.

7 CHAIRMAN MARTIN: Okay. Anything more?

8 MR. RADABAUGH: Not that I know.

9 CHAIRMAN MARTIN: Anything further on this one,  
10 Mr. Wince?

11 WITNESS WINCE: No.

12 CHAIRMAN MARTIN: Okay. Your next well?

13 WITNESS WINCE: Newlon Lease, 144 acres, Well  
14 No. 4. Distance from the nearest lease lines, 300 feet.  
15 Permitted deep wells within 3,000 feet: Permit No. 47-033-  
16 5818, Hall Drilling, Harbert No. 2 -- Harbert No. 2. The  
17 second one is Permit No. 47-033-5016, Hall Drilling and  
18 Ritter No. 1.

19 WITNESS BARTON: That is a deep well.

20 WITNESS WINCE: No. 3 is Permit No. 47-017-  
21 5780, Hall Drilling Newlon No. 6. No. 4 is Permit No. 47-  
22 017-5585, Hall Drilling Newlon No. 1 and No. 5 is Permit  
23 No. 47-017-5586, Hall Drilling Newlon No. 2, and No. 6 is  
24 Permit No. 47-017-5782, Hall Drilling Newlon No. 3.

1                   We're applying for a deep well permit to  
2                   drill within 100 foot into the Onondaga, and Hall Drilling  
3                   has no issues drilling within 3,000 feet of our own wells  
4                   as in relationship to proposed Newlon Well No. 4.

5                   BY CHAIRMAN MARTIN:

6                   Q     Do you know anything about the Permit 5779,  
7                   Mr. Wince?

8                   A     No, sir. I know it's got the permitted  
9                   status symbol.

10                  Q     Okay, but to your knowledge, not a deep  
11                  well?

12                  A     No.

13                  Q     Anything further on Newlon 4, Mr. Wince?

14                  A     No.

15                  Q     Okay. Next well?

16                  A     Newlon Lease, 144 acres, Well No. 6.  
17                  Distance from the nearest lease line, 290 feet. Permitted  
18                  deep wells within 3,000 feet: No. 1, Permit No. 47-033-  
19                  5183, Hall Drilling Newlon No. 4; No. 2, Permit No. 47-033-  
20                  5016, Hall Drilling and Ritter No. 1; No. 3, 47-033-5135  
21                  Hall Drilling Harbert No. 1; No. 4 is Permit No. 47-017-  
22                  5777, Hall Drilling Van Scoy No. 2 And No. 5's Permit No.  
23                  47-017-5782, Hall Drilling Newlon No. 3; No. 6 is Permit  
24                  No. 47-017-5586, Newlon No. 2; No. 7, Permit No. 47-017-

1 5585, Hall Drilling Newlon No. 1; No. 8, Permit No. 47-017-  
2 5751, Hall Drilling Ash No. 1, and our last well is Permit  
3 No. 47-017-5750, Hall Drilling Williams No. 1. I have Van  
4 Scoy No. 1 listed and Chess No. 1 and Chess No. 1 is  
5 permitted shallow and the Van Scoy No. 1 is also permitted  
6 shallow.

7 We are applying for a deep well permit to  
8 drill within 100 feet into the Onondaga and Hall Drilling  
9 has no issue drilling within 3,000 feet of our own wells as  
10 per those wells listed in relationship to the proposed  
11 Newlon Well No. 6.

12 Q So then that leaves you with nine deep wells  
13 or permitted deep wells within 3,000 feet of the Newlon 6,  
14 all of which are all drilling, correct?

15 A Yes.

16 Q And again in terms of the 400-foot issue,  
17 what's -- why is there a need to drill closer than 400 feet  
18 to the lease line of this well?

19 A Terrain and I'm assuming, you know, the  
20 location with the terrain and anything more, Greg?

21 WITNESS BARTON: The same instance concerning  
22 the fields and the meadows. Basically, this farm sits in a  
23 bowl and your valleys is your meadowland, and it just goes  
24 deeper down and what we cannot do is draw on those ridge

1 lines. you have to come down off the ridge lines a little  
 2 bit and drill basically around the bowl part of that.  
 3 There's a couple points within the farm that we -- that she  
 4 has granted us the right to go ahead and drill, but as you  
 5 can see on the Newlon Lease itself, it's been utilized  
 6 pretty well as far as wells, so we're just trying to  
 7 minimize the damages and the usage of at least the good  
 8 property there along 50, And it is difficult. There's also  
 9 a pond located on this property that we're trying to stay  
 10 away from and an old farmhouse which is a rental piece of  
 11 property so. Nothing further.

12 CHAIRMAN MARTIN: Anything else on that one?

13 WITNESS WINCE: No.

14 BY CHAIRMAN MARTIN:

15 Q Okay, your last one, Mr. Wince?

16 A Welch Lease, 64½ acres, Well No. 1. We have  
 17 no issue with the spacing. We are over 400 foot as shown  
 18 on the plat. Permitted deep wells within 3,000 feet:  
 19 Permit No. 47-033-5680, Hall Drilling J. L. Cottrill, and  
 20 we're applying for a deep well permit to drill within a 100  
 21 foot to the Onondaga. Hall Drilling has no issue drilling  
 22 within 3,000 feet of our own wells as in relationship to  
 23 the Welch No. 1, and I need to correct the API; it's 47-017  
 24 and it's in Doddridge County.

1           MR. RADABAUGH:       Which one are you correcting  
2   that for?

3           WITNESS WINCE:       The J. L. Cottrill. I read  
4   33 and it ought to be 17.

5           MR. RADABAUGH:       Oh, okay.

6           CHAIRMAN MARTIN:     17 and the Permit No. is  
7   right, 5680? That part's right?

8           WITNESS WINCE:       Yes.

9           CHAIRMAN MARTIN:     Okay. So there's only one  
10 permitted deep well on this one within 3,000 feet?

11          WITNESS WINCE:       Yes.

12          CHAIRMAN MARTIN:     And that well is operated by  
13 Hall Drilling?

14          WITNESS BARTON:      Yes.

15          CHAIRMAN MARTIN:     Anything else?

16          MR. GUM:             Nothing.

17          MR. RADABAUGH:       No.

18          BY CHAIRMAN MARTIN:

19           Q     So if I can kind of summarize what I think  
20 you're looking for here, I think in all the other  
21 applications that's part of this Docket, you have lease  
22 lines spacing --

23           A     Yes.

24           Q     -- issues. This one you don't?



1           A     This one we do not.

2           Q     So all the others, you're within 400 feet of  
3 the lease line and with all these wells you're proposing,  
4 there are other deep wells within 3,000 feet that you're  
5 asking for the exception from?

6           A     Yes.

7           Q     And you're also asking for the 100 foot in  
8 the Onondaga on all these wells?

9           A     Yes.

10          Q     Anything else you'd like to place of record?

11          A     No, sir.

12          CHAIRMAN MARTIN:     Okay, let's go off the  
13 record.   thank you.

14                                 (WHEREUPON, the Commission  
15 deliberated from 11:39 a.m. to  
16 11:40 a.m. off the record, after  
17 which the proceeding continued as  
18 follows:)

19          CHAIRMAN MARTIN:     We're ready to go back on.  
20 Do I have a motion?

21          MR. RADABAUGH:        I'd like to make a motion.  I  
22 make a motion that the grant of Hall Drilling their request  
23 for the exception to the rule for Wells:  Ford No. 1,  
24 Doddridge, or Hickman/Ford No. 1, excuse me, Doddridge

1 5774; Hickman/Ford No. 2, Doddridge 5775; Newlon No. 3,  
2 Doddridge 5782; Newlon No. 4, Doddridge 5183; Newlon No. 6,  
3 Doddridge 5780 to be within 400 feet of lease line.

4 Also I make a motion within this motion to  
5 grant Hall their exception to be within 3,000 feet of other  
6 permitted deep wells for Hickman/Ford No. 1, Hickman/Ford  
7 No. 2, Newlon No. 3, Newlon No. 4, Newlon No. 6, and Welch  
8 No. 1, which is Doddridge 5781. Also to grant the  
9 exception to drill 100 feet into the Onondaga formation for  
10 the purpose of logging.

11 Hall shall submit to the Commission an  
12 affidavit signed by an officer of the company stating that  
13 nothing below the top of the Onondaga was perforated,  
14 frac'd, or is being produced. They are also to furnish  
15 well logs and perforation logs of these above-named wells.  
16 If at a later date, they decide to produce -- perforate or  
17 produce anything below the top of the Onondaga, they must  
18 reappear before the Commission and request such.

19 CHAIRMAN MARTIN: Okay, can the motion have a  
20 second?

21 MR. GUM: Second.

22 CHAIRMAN MARTIN: Any further discussion? All  
23 in favor of the motion, say aye.

24 BOARD: Aye.

1           CHAIRMAN MARTIN:     Opposed?   Okay, motion  
2 carries.   Anything further for the record from Hall  
3 Drilling?  
4           WITNESS WINCE:       No.  
5           CHAIRMAN MARTIN:     Anything from the Commission?  
6           MR. RADABAUGH:       No.  
7           MR. GUM:             No.  
8           CHAIRMAN MARTIN:     Cindy, do you have anything?  
9           MS. RAINES:          No.  
10          CHAIRMAN MARTIN:     We'll close the record.  
11 Thank you all.

(WHEREUPON, the proceeding was concluded.)

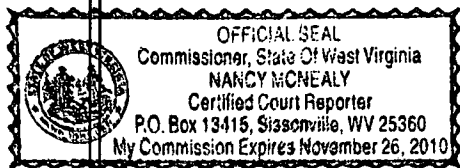
**REPORTER'S CERTIFICATE**

STATE OF WEST VIRGINIA,  
COUNTY OF KANAWHA, to wit:

I, **NANCY MCNEALY**, Certified Verbatim Court Reporter and Commissioner of West Virginia, do hereby certify that the foregoing is, to the best of my skill and ability, a true and accurate transcript of all the proceedings as set forth in the caption hereof.

Given under my hand this 19th day of  
January, 2009.

My commission expires November 26, 2010.



A handwritten signature in cursive script, appearing to read "Nancy McNealy", is written over a horizontal line.

Certified Verbatim Reporter  
Commissioner of West Virginia



west virginia department of environmental protection

Oil and Gas Conservation Commission  
601 57<sup>th</sup> Street, SE Charleston, WV 25304  
(304)926-0499, Ext 1656

Joe Manchin III, Governor  
Randy C. Huffman, Cabinet Secretary  
www.wvdep.org

**BEFORE THE OIL AND GAS CONSERVATION COMMISSION  
OF THE STATE OF WEST VIRGINIA**

IN THE MATTER OF THE REQUEST BY HALL DRILLING,  
LLC FOR EXCEPTION LOCATIONS REGARDING THE  
DRILLING OF THE PROPOSED WELLS IDENTIFIED AS  
THE HICKMAN/FORD #1, HICKMAN/FORD #2, NEWLON  
#3, NEWLON #4, NEWLON #6 AND THE WELCH #1  
TO BE LOCATED IN GRANT DISTRICT, DODDRIDGE  
COUNTY AND TENMILE DISTRICT, HARRISON COUNTY  
WEST VIRGINIA.

DOCKET NO. 196  
CAUSE NO. 188

**NOTICE OF HEARING**

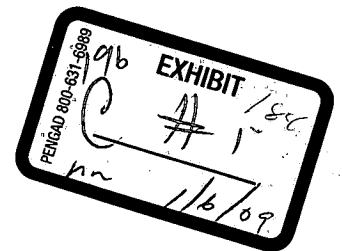
Hall Drilling, LLC ("Hall") has requested the Commission grant an exception to Rule 39.1.4.2 for the proposed wells identified as the Hickman/Ford #1, Hickman/Ford #2, Newlon #3, Newlon #4, Newlon #6 and the Welch #1 to be located in Doddridge and Harrison Counties, West Virginia. The proposed well locations do not meet the spacing requirements imposed on deep wells; therefore, Hall has requested approval from the Commission for an exception to the rule as provided in 39.1.4.3.

The matter has been scheduled as stated below:

DATE: January 6, 2009

TIME: 10:30 a.m.

PLACE: Department of Environmental Protection  
Office of Oil and Gas  
601 57<sup>th</sup> Street, SE  
Charleston, WV 25304



IN THE NAME OF THE STATE OF WEST VIRGINIA

OIL AND GAS CONSERVATION COMMISSION  
OF THE STATE OF WEST VIRGINIA

By: Barry K. Lay  
Barry K. Lay, Chairman

Dated this 8<sup>th</sup> day of December, 2008, at Charleston, West Virginia.

Promoting a healthy environment.

**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, over the front if space permits

**Neva Ritter**  
**151 Valley Street**  
**Salem, WV 26426**

**COMPLETE THIS SECTION ON DELIVERY****A. Signature****X** *Neva Ritter*☐ Agent☐ Addressee**B. Received by (Printed Name)****C. Date of Delivery**

Is delivery different from item 1? ☐ Yes  
If delivery address below: ☐ No

DEC 09 2008

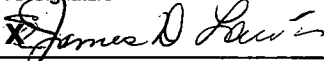
☒ Certified Mail☐ Express Mail☐ Registered☐ Return Receipt for Merchandise☐ Insured Mail☐ C.O.D.**4. Restricted Delivery? (Extra Fee)**☐ Yes**2. Article Number***(Transfer from service label)*

7008 0500 0001 2132 4449

**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece.

**Veta Balis**  
**HC 78 Box 20**  
**Selbyville, WV 26236**

**COMPLETE THIS SECTION ON DELIVERY****A. Signature**☐ Agent☒ Addressee**B. Received by (Printed Name)****JAMES D. LEWIS****C. Date of Delivery****12/12/08**

Address different from item 1?

☐ Yes

Delivery address below:

☒ No**3. Service type**☒ Certified Mail☐ Express Mail☐ Registered☐ Return Receipt for Merchandise☐ Insured Mail☐ C.O.D.**4. Restricted Delivery? (Extra Fee)**☐ Yes**2. Article Number**

(Transfer from service label)

**7008 0500 0001 2132 4432**

**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece,

**Hall Drilling, LLC**  
**Attention: Gregory Barton**  
**P O Box 249**  
**Ellenboro, WV 26346**

**COMPLETE THIS SECTION ON DELIVERY****A. Signature**

☒ Agent  
☐ Addressee

**B. Received by (Printed Name)****C. Date of Delivery**

Address different from item 1? ☐ Yes  
Delivery address below: ☐ No

**3. Service type**

- ☒ Certified Mail    ☐ Express Mail  
☐ Registered    ☐ Return Receipt for Merchandise  
☐ Insured Mail    ☐ C.O.D.

**4. Restricted Delivery? (Extra Fee)**☐ Yes**2. Article Number***(Transfer from service label)*

7008 0500 0001 2132 4463



**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

**Mark & Deborah Hutson**  
**Rt 2, Box 16**  
**Salem, WV 26426**

**COMPLETE THIS SECTION ON DELIVERY****A. Signature**

*X Deborah L. Hutson* ☒ Agent ☐ Addressee

**B. Received by (Printed Name)**

*Deborah L. Hutson*

**C. Date of Delivery**

Address different from item 1? ☐ Yes  
delivery address below: ☐ No

SALEM WV 26426  
DEC 09 2000

**3. Service Type**

- ☒ Certified Mail ☐ Express Mail  
☐ Registered ☐ Return Receipt for Merchandise  
☐ Insured Mail ☐ C.O.D.

**4. Restricted Delivery? (Extra Fee)**☐ Yes**2. Article Number**

(Transfer from service label)

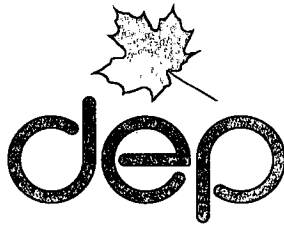
1111 7008 10500 0001 2132 4456 11

SENT BY: Wocket 196-188

DEPARTMENT: \_\_\_\_\_

**DO NOT METER**

**INTERDEPARTMENTAL MAIL**



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west virginia department of environmental protection

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Oil and Gas Conservation Commission  
601 57<sup>th</sup> Street, SE Charleston, WV 25304  
(304)926-0499, Ext 1656

Joe Manchin III, Governor  
Randy C. Huffman, Cabinet Secretary  
[www.wvdep.org](http://www.wvdep.org)

December 9, 2008

The Exponent/Telegram  
Attention: Legal Advertisement  
P O Box 2000  
Clarksburg, WV 26302

**RE: Class 11 - Legal Advertisement  
Docket No. 196-188**

Dear Sir:

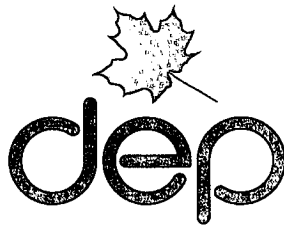
Please print the enclosed Notice of Hearing as a Class 11 legal advertisement in the The Exponent/Telegram newspaper, twice prior to January 6, 2009, and send affidavit of publication and invoice to me at the address above.

If you should have any questions, please call me at 304-926-0499 ext. 1656

Sincerely,

*Cindy Raines*  
Cindy Raines  
Exe. Secretary

encl:



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west virginia department of environmental protection

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Oil and Gas Conservation Commission  
601 57<sup>th</sup> Street, SE Charleston, WV 25304  
(304)926-0499, Ext 1656

Joe Manchin III, Governor  
Randy C. Huffman, Cabinet Secretary  
[www.wvdep.org](http://www.wvdep.org)

December 9, 2008

The Herald Record  
Attention: Legal Advertisement  
202 East Main Street  
West Union, WV 25456

**RE: Class 11 - Legal Advertisement  
Docket No. 196-188**

Dear Sir:

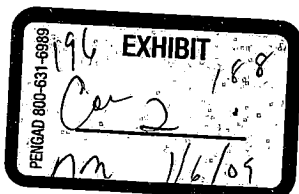
Please print the enclosed Notice of Hearing as a Class 11 legal advertisement in the The Herald Record newspaper, twice prior to January 6, 2009, and send affidavit of publication and invoice to me at the address above.

If you should have any questions, please call me at 304-926-0499 ext. 1656

Sincerely,

Cindy Raines  
Exe. Secretary

encl:



**STATE OF WEST VIRGINIA**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS**  
**WELL WORK PERMIT APPLICATION**

1) Well Operator Hall Drilling, LLC

	<u>17</u>	<u>3</u>	<u>611</u>
Operator ID	County	District	Quadrangle
			<u>Smithburg 7.5'</u>

2) Operator's Well Number: Hickman/Ford #1 3) Elevation: 1237'

4) Well Type: (a) Oil \_\_\_\_\_ or Gas X  
 (b) If Gas: Production X / Underground Storage \_\_\_\_\_  
 Deep X / Shallow \_\_\_\_\_

5) Proposed Target Formation(s): Marcellus6) Proposed Total Depth: 8100 Feet7) Approximate fresh water strata depths: 316'8) Approximate salt water depths: 2192'9) Approximate coal seam depths: 966' - 971'10) Does land contain coal seams tributary to active mine? No11) Describe proposed well work To Drill and Stimulate a New Well12) **CASING AND TUBING PROGRAM**

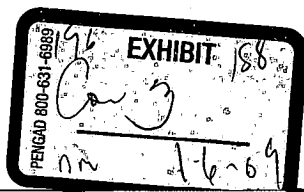
TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft	For Drilling	Left in Well	Fill -up (Cu. Ft.)
Conductor						OK OKS 10-1408
Fresh Water	9 5/8		22 <sup>#</sup>	346'	346'	CTS
Coal						
Intermediate	7"		16 <sup>#</sup>	2192'	2192'	CTS
Production	4 1/2		11.60 <sup>#</sup>	8100'	8100'	By Rule 35 CSR 4-11-1
Tubing						
Liners						

Packers: Kind \_\_\_\_\_  
 Sizes \_\_\_\_\_  
 Depths Set \_\_\_\_\_

**RECEIVED**  
 Office of Oil & Gas  
 NOV 05 2008

WV Department of  
 Environmental Protection

OK # 14235  
 900.-



1) Date: October 11, 2008  
2) Operator's Well Number Hickman/Ford #1  
3) API Well No.: 47 - 17 - 05774  
State County Permit

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
NOTICE AND APPLICATION FOR A WELL WORK PERMIT

4) Surface Owner(s) to be served:  
(a) Name Mark & Deborah Hutson W  
Address Rt. 2 Box 16  
Salem, WV 26426  
(b) Name \_\_\_\_\_  
Address \_\_\_\_\_  
(c) Name \_\_\_\_\_  
Address \_\_\_\_\_  
6) Inspector David Scranage  
Address Rt. 2 Box 11  
Lost Creek, WV 26385  
Telephone 304-380-3749

5) (a) Coal Operator  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
(b) Coal Owner(s) with Declaration  
Name None  
Address \_\_\_\_\_  
(c) Coal Lessee with Declaration  
Name \_\_\_\_\_  
Address \_\_\_\_\_

TO THE PERSONS NAMED ABOVE TAKE NOTICE THAT:

Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas

OR

X Included is the information required by Chapter 22, Article 6, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22-6 of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through \_\_\_\_ on the above named parties by:

Personal Service (Affidavit attached)  
X Certified Mail (Postmarked postal receipt attached)  
Publication (Notice of Publication attached)

I have read and understand Chapter 22-6 and 35 CSR 4, and I agree to the terms and conditions of any permit issued under this application.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate and complete.

I am aware that there are civil and criminal penalties for submitting false information, including the possibility of fine and imprisonment.



Hall Drilling, LLC  
Mike Hall

Its: Designated Agent  
Address P.O. Box 249  
Ellenboro, WV 26346  
Telephone 304-869-3405

Subscribed and sworn before me this 20 day of Oct

My Commission Expires 4/18/2011

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Office of Oil & Gas  
NOV 05 2008  
WV Department of  
Environmental Protection

INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE  
Chapter 22, Article 6, Section 8(d)  
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that -

- (1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Grantor, lessor, etc.	Grantee, lessee, etc.	Royalty	Book/Page
M. Hickman, et al	Clarence W. Mutschelknaus	12.5% 21/80	219 / 497

Well  
Operator:  
By:  
Its:

Hickman / Ford No. 1  
Hart Drilling, LLC  
President

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Office of Oil & Gas

NOV 05 2008

WV Department of  
Environmental Protection

West Virginia Department of Environmental Protection  
Office of Oil and Gas

17-05774

## NOTICE TO SURFACE OWNERS

The well operator named below is preparing to file for a permit from the state to drill a new well. Before a well work permit can be filed with the Chief of the Office of Oil and Gas, the well operator is required to have given notice of the right to request water well or spring analytical testing. This notice shall be given to the owners or occupants of land which have a water well or spring being utilized for human consumption, domestic animals, or other general use and which is located within 1000 feet of the proposed well site.

With this form, the operator is giving you notice of your right to request analytical testing. The operator is required to sample and analyze the water wells or springs of all owners or occupants who request it. Therefore, if you wish to have your water well or spring tested, contact the operator named below.

All sampling shall be completed prior to drilling. Within thirty (30) days of the receipt of such sample analyses the operator shall submit the results to the Chief of the Office of Oil and Gas and to the owners or occupants who may have requested them.

If no water well or spring is located within 1000 feet, the Chief may require the operator to sample and analyze water from a water well or spring within 2000 feet of the proposed well site.

Be advised, you have the right to sample and analyze any water supply at your own expense.

The laboratory used by the operator to analyze the samples will be approved by the Chief. The operator named below has decided to use the following laboratory to analyze the water samples:

X Contractor Name Smith Land Surveying, Inc.  
Well operator's private laboratory

Well Operator Hall Drilling, LLC  
Address P.O. Box 249  
Ellenboro, WV 26346  
Telephone 304-869-3405

FOR OPERATOR'S USE ONLY: Below, or on an attached page, list those persons which were given this notice. Place an asterisk beside the one(s) that contacted you and requested sampling and analyses. If there were no requests made, indicate by underling which one you have selected to sample and analyze. If there are no water wells or springs within 1000 feet of the proposed site please indicate such.

NOTE: There appears to be no potable water sources within 1,000', therefore no tests will be run.

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Office of Oil & Gas  
NOV 05 2008  
WV Department of  
Environmental Protection



STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION,  
OFFICE OF OIL AND GAS

CONSTRUCTION AND RECLAMATION PLAN AND SITE REGISTRATION APPLICATION FORM  
GENERAL PERMIT FOR OIL AND GAS PIT WASTE DISCHARGE

Operator Name Hall Drilling, LLC OP Code \_\_\_\_\_

Watershed Buckeye Run Quadrangle Smithburg 7.5'

Elevation 1237' County Doddridge District Grant

Description of anticipated Pit Waste: Drill Water, Frac Blow Back & Various Formation Cuttings

Will a synthetic liner be used in the pit? Yes

Proposed Disposal Method For Treated Pit Wastes:

- ☒ Land Application  
☐ Underground Injection ( UIC Permit Number \_\_\_\_\_ )  
☐ Reuse (at API Number \_\_\_\_\_ )  
☐ Off Site Disposal (Supply form WW-9 for disposal location)  
☐ Other (Explain \_\_\_\_\_ )

Proposed Work For Which Pit Will Be Used:

- ☒ Drilling ☒ Swabbing  
☐ Workover ☐ Plugging  
☐ Other (Explain \_\_\_\_\_ )

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

Company Official Signature \_\_\_\_\_

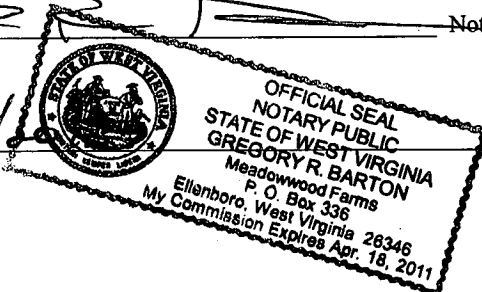
Company Official (Typed Name) Mike Hall

Company Official Title Designated Agent

Subscribed and sworn before me this 20 day of Dec, 2008

Notary Public

My commission expires 4/18/11



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Office of Oil & Gas  
NOV 05 2008

WV Department of  
Environmental Protection



ALL ROADS SHOWN HEREON ARE EXISTING UNLESS OTHERWISE NOTED AND SHALL BE MAINTAINED IN ACCORDANCE WITH WV D.E.P. OIL AND GAS BMP MANUAL ENTRANCES AT COUNTY/STATE ROADS SHALL BE MAINTAINED IN ACCORDANCE WITH WV D.O.T. REGULATIONS. SEPARATE PERMITS MAY BE REQUIRED BY THE D.O.T.

SEDIMENT BASINS (TRAPS) AND APPROPRIATE EROSION CONTROL BARRIERS ARE TO BE CONSTRUCTED AT ALL CULVERT AND CROSS DRAIN INLETS AND OUTLETS AS REQUIRED IN THE WV D.E.P. OIL AND GAS BMP MANUAL. FIELD CONDITIONS (ROCK OUTCROPS AND BEDROCK) MAY PROHIBIT INLET TRAPS BEING INSTALLED. WHEN THESE CONDITIONS EXIST ADDITIONAL EROSION CONTROL MEASURES SHALL BE EVALUATED AND UTILIZED AS NEEDED.

EARTHWORK CONTRACTORS ARE RESPONSIBLE FOR NOTIFICATION TO THE OPERATOR AND INSPECTOR PRIOR TO ANY DEVIATION FROM THIS PLAN.

TEMPORARY SEED & MULCH ALL SLOPES AFTER CONSTRUCTION OF LOCATION.

CUT & STACK ALL MARKETABLE TIMBER.

STACK BRUSH BELOW LOCATION FOR SEDIMENT CONTROL.

450'± @ 15-20% GRADE

TO  
UND ELMWOOD #2  
FROM #1  
SHACKMAN #3  
HICKMAN/FORD #1'S 1+2

SEE ATTACHED SHEET FOR  
DETAIL SKETCH OF  
SHAUGHNESSY

1000'± @ 2-3% GRADE

#2

780'± @ 15-20% GRADE

⊕ = CULVERT TO BE INSTALLED  
AT A 12" MINIMUM  
(UNLESS NOTED OTHERWISE)

## SHAUGHNESSY LEASE

(REVISION)  
36" BY  
REQUEST OF  
INSPECTOR

INSTALL  
CULVERT  
(24" MIN)

WELL

TRAILER

EXISTING  
CULVERT

115'± @ 10-15% GRADE

100'± @ 15-20% GRADE

620'± @ 0-6% GRADE

38

SHAUGHNESSY  
#1

RECEIVED  
Office of Oil & Gas

NOV 05 2008

WV Department of  
Environmental Protection

DRAWING  
NOT  
TO  
SCALE



SMITH LAND SURVEYING, INC.

P.O. BOX 150, GLENVILLE, WV 26351

Phone (304) 462-5656 or 462-5634

REVISED BY C.P.M.

DRAWN BY C.P.M.

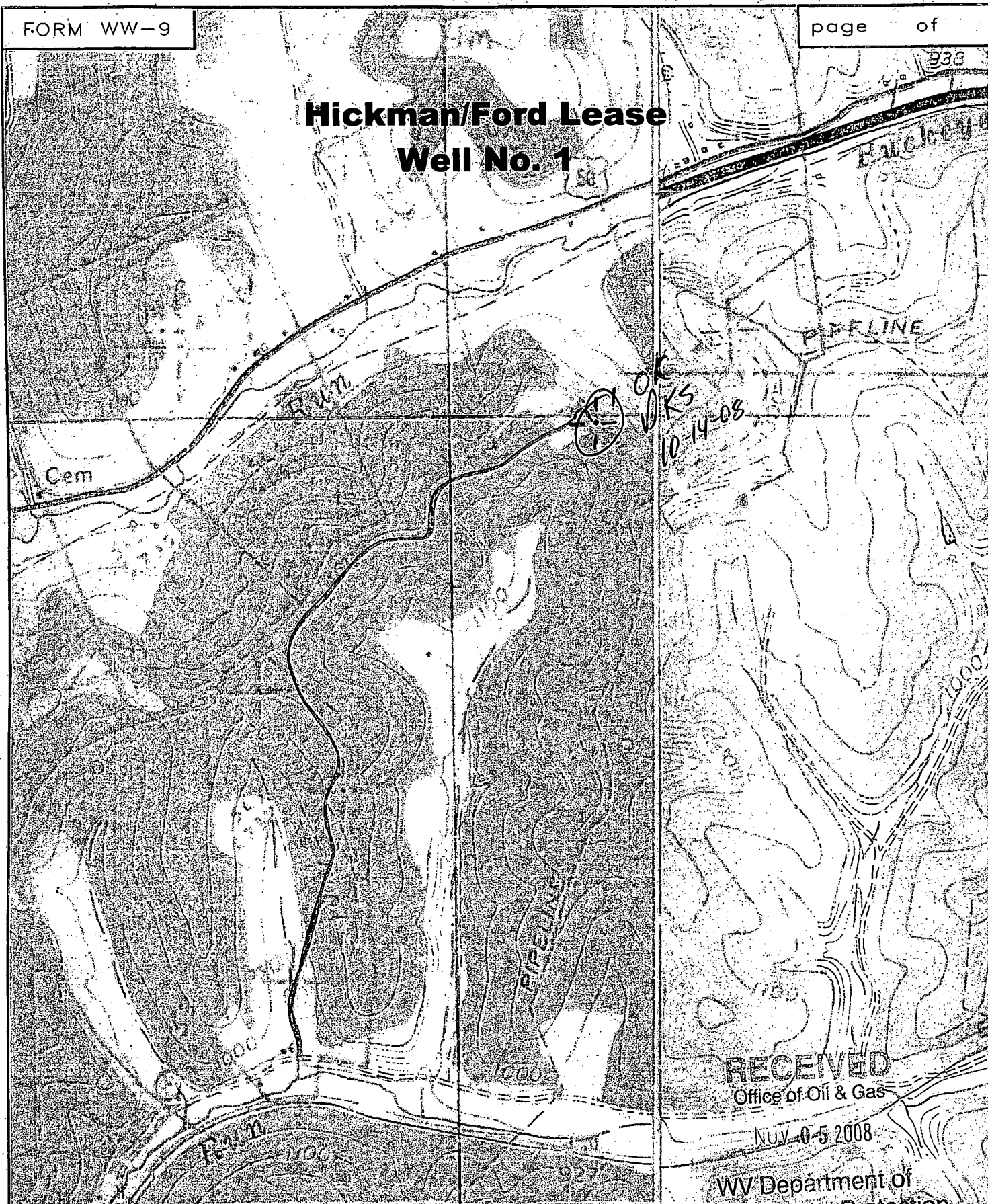
4/24/08 10/10/08 10/10/08

DATE 1/14/08

FILE NO. 6737



# Hickman/Ford Lease Well No. 1

**SLS**

SMITH LAND SURVEYING  
P.O. BOX 150 GLENVILLE, WV. 26351

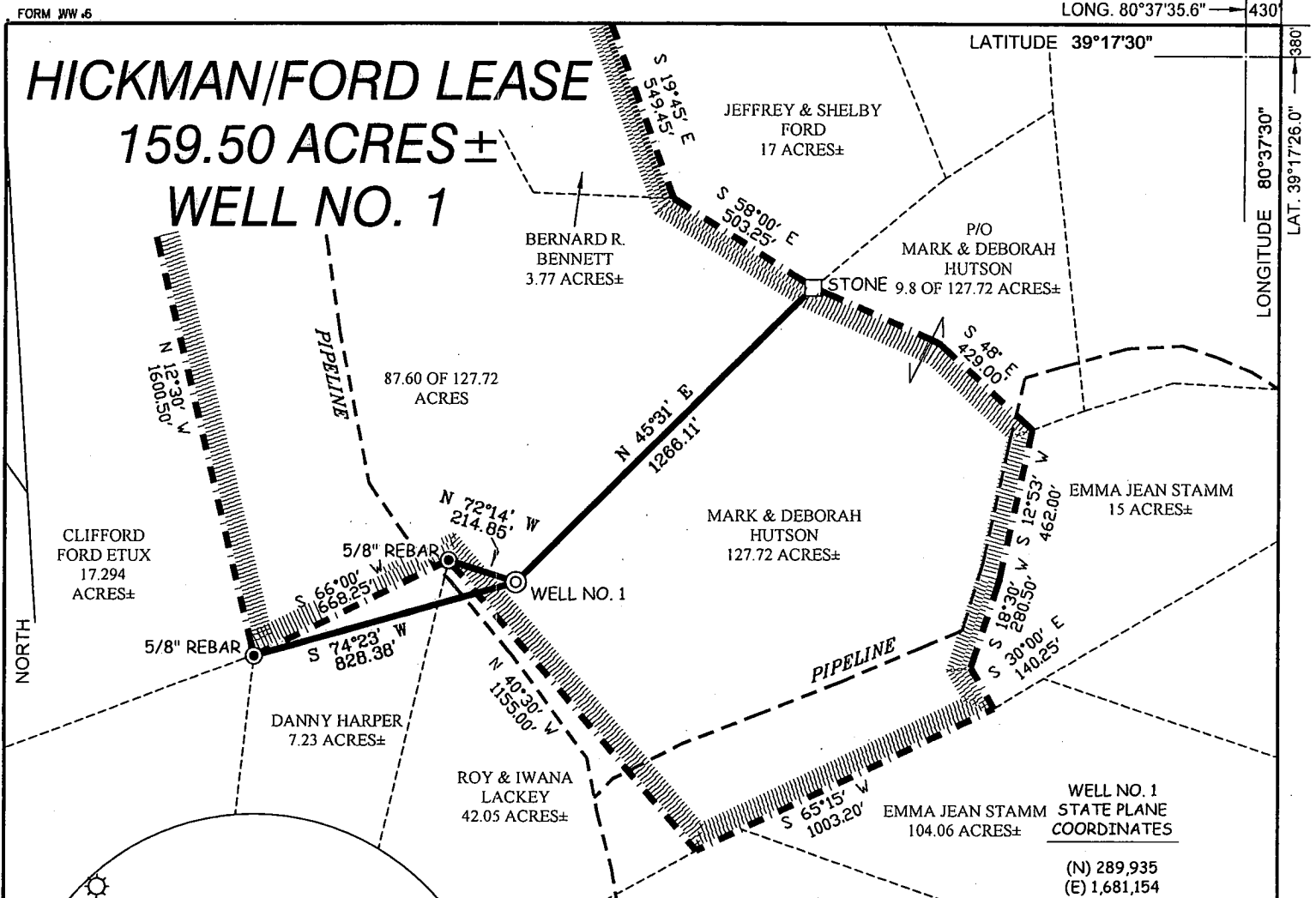
TOPO SECTION OF

SMITHBURG & SALEM 7.5'

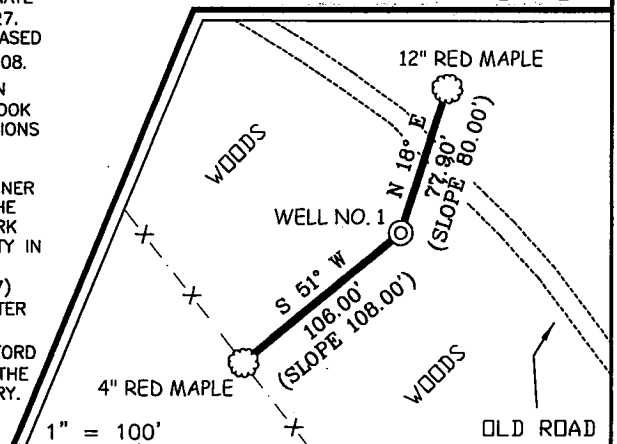
FILE NO. 6739

DATE 10/10/08

SCALE 1"=1000'

**HICKMAN/FORD LEASE****159.50 ACRES±****WELL NO. 1****NOTES ON SURVEY**

1. TIES TO WELLS AND CORNERS ARE BASED ON GRID NORTH FOR THE WV STATE PLANE COORDINATE SYSTEM NORTH ZONE NAD '27.
2. TIES TO REFERENCES ARE BASED ON MAGNETIC NORTH 10-08-08.
3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM DEED BOOK 266 PAGE 285 AND TITLE OPINIONS PREPARED BY STEPTOE & JOHNSON, PLLC.
4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF DODDRIDGE COUNTY IN JULY, 2008.
5. WELL LAT./LONG. (NAD'27) ESTABLISHED BY DGPS (SUBMETER MAPPING GRADE).
6. PROPOSED WELL HICKMAN/FORD #1 IS OVER 100 FEET FROM THE APPROXIMATE LEASE BOUNDARY.

**REFERENCES**

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DIVISION OF ENVIRONMENTAL PROTECTION.

P.S.  
677

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

DATE OCTOBER 8, 20 08OPERATORS WELL NO. HICKMAN/FORD #1

API WELL NO. 47-17-05774  
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1/200 FILE NO. 6739P1A(267-52)  
PROVEN SOURCE OF ELEVATION DGPS (SUBMETER MAPPING GRADE) SCALE 1" = 500'

STATE OF WEST VIRGINIA  
DIVISION OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS



WELL TYPE: OIL    GAS X LIQUID INJECTION    WASTE DISPOSAL    IF "GAS" PRODUCTION X STORAGE    (NOTE 6) DEEP X SHALLOW   

LOCATION: ELEVATION 1,237' WATERSHED BUCKEYE RUN  
DISTRICT GRANT COUNTY DODDRIDGE QUADRANGLE SMITHBURG 7.5'

SURFACE OWNER MARK & DEBORAH HUTSON ACREAGE 127.72±  
ROYALTY OWNER M. HICKMAN ETAL LEASE ACREAGE 159.50±

PROPOSED WORK: LEASE NO.     
DRILL X CONVERT    DRILL DEEPER    REDRILL    FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION    PERFORATE NEW FORMATION    PLUG AND ABANDON    CLEAN OUT AND REPLUG    OTHER   

PHYSICAL CHANGE IN WELL (SPECIFY)    TARGET FORMATION MARCELLUS  
ESTIMATED DEPTH 8,100'

WELL OPERATOR HALL DRILLING, LLC  
ADDRESS P.O. BOX 249  
ELLENBORO, WV 26346

DESIGNATED AGENT MIKE HALL  
ADDRESS P.O. BOX 249  
ELLENBORO, WV 26346

COUNTY NAME

PERMIT

## SURFACE OWNER WAIVER

County Doddridge

Operator

Hall Drilling, LLC

Operator well number

Hickman/Ford #1

INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW2-A

The well operator named on page WW2A is applying for a permit from the State to do oil or gas well work. (Note: If the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22 of the West Virginia Code. Well work permits are valid for 24 months. If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator and the Office of Oil and Gas.

NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.

WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:

Chief, Office of Oil and Gas  
Department of Environmental Protection  
601 57<sup>th</sup> St. SE  
Charleston, Wv 25304  
(304) 926-0450

Time Limits and methods for filing comments. The law requires these materials to be served on or before the date the operator files his Application. You have FIFTEEN (15) DAYS after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

Comments must be in writing. Your comments must include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

The Chief has the power to deny or condition a well work permit based on comments on the following grounds:

- 1) The proposed well work will constitute a hazard to the safety of persons.
- 2) The soil erosion and sediment control plan is not adequate or effective;
- 3) Damage would occur to publicly owned lands or resources;
- 4) The proposed well work fails to protect fresh water sources or supplies;
- 5) The applicant has committed a substantial violation of a previous permit or a substantial violation of one or more of the rules promulgated under Chapter 22, and has failed to abate or seek review of the violation..."

If you want a copy of the permit as it is issued or a copy of the order denying the permit, you should request a copy from the Chief.

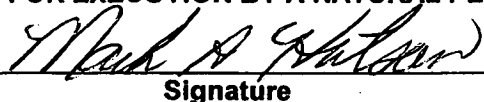
List of Water Testing Laboratories. The Office maintains a list of water testing laboratories which you can hire to test your water to establish water quality prior to and after drilling. Contact the Chief to obtain a copy.

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners and that I have received copies of a Notice and Application for a Well Work Permit on Form WW2-A, and attachments consisting of pages 1 through \_\_\_\_ including a work order on Form WW2-B, a survey plat, and a soil and erosion plan, all for proposed well work on my surface land as described therein.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials.

FOR EXECUTION BY A NATURAL PERSON



Signature

Date 10/28/08

Print Name

FOR EXECUTION BY A CORPORATION, ETC.

Company

Name

By

Its

Signature

RECEIVED  
Office of Oil & Gas

Date

NOV 05 2008 Date

WV Department of  
Environmental Protection

**STATE OF WEST VIRGINIA**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS**  
**WELL WORK PERMIT APPLICATION**

1) Well Operator Hall Drilling, LLC 17 3 596  
 Operator ID County District Quadrangle

2) Operator's Well Number: Hickman/Ford #2 3) Elevation: 1263'

4) Well Type: (a) Oil \_\_\_\_\_ or Gas X  
 (b) If Gas: Production X / Underground Storage \_\_\_\_\_  
 Deep X / Shallow \_\_\_\_\_

5) Proposed Target Formation(s): Marcellus

6) Proposed Total Depth: 8100 Feet

7) Approximate fresh water strata depths: 332'

8) Approximate salt water depths: 2206'

9) Approximate coal seam depths: 980-985'

10) Does land contain coal seams tributary to active mine? No

11) Describe proposed well work To Drill and Stimulate a New Well

12) **CASING AND TUBING PROGRAM**

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft	For Drilling	Left in Well	Fill -up (Cu. Ft.)
Conductor						OK OKS 10-14-08
Fresh Water	9 5/8"		22 <sup>#</sup>	362'	362' ✓	CTS
Coal						
Intermediate	7"		16 <sup>#</sup>	2206'	2206'	CTS
Production	4 1/2"		11.60 <sup>#</sup>	8100'	8100'	By 2-14 35 CTS 4/2 11-1
Tubing						
Liners						

Packers: Kind  
 Sizes  
 Depths Set

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 Environmental Protection

14235  
 900.-



1) Date: October 11, 2008  
2) Operator's Well Number Hickman/Ford #2  
3) API Well No.: 47 - 17 - 05775  
State County Permit

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
NOTICE AND APPLICATION FOR A WELL WORK PERMIT

4) Surface Owner(s) to be served:

(a) Name Mark & Deborah Hutson  
Address Rt. 2 Box 16  
Salem, WV 26426

(b) Name \_\_\_\_\_  
Address \_\_\_\_\_

(c) Name \_\_\_\_\_  
Address \_\_\_\_\_

6) Inspector David Scranage  
Address Rt. 2 Box 11  
Lost Creek, WV 26385  
Telephone 304-380-3749

5) (a) Coal Operator

Name \_\_\_\_\_  
Address \_\_\_\_\_

(b) Coal Owner(s) with Declaration

Name None  
Address \_\_\_\_\_

Name \_\_\_\_\_  
Address \_\_\_\_\_

(c) Coal Lessee with Declaration

Name \_\_\_\_\_  
Address \_\_\_\_\_

TO THE PERSONS NAMED ABOVE TAKE NOTICE THAT:

Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas

OR

X Included is the information required by Chapter 22, Article 6, Section 8(d) of the Code of West Virginia (see page 2)

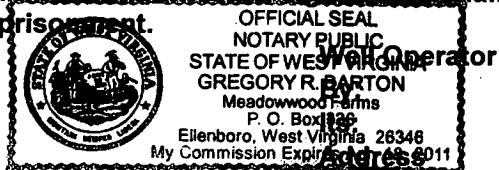
I certify that as required under Chapter 22-6 of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through \_\_\_\_ on the above named parties by:

Personal Service (Affidavit attached)  
X Certified Mail (Postmarked postal receipt attached)  
Publication (Notice of Publication attached)

I have read and understand Chapter 22-6 and 35 CSR 4, and I agree to the terms and conditions of any permit issued under this application.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.



Hall Drilling, LLC  
Mike Hall  
Designated Agent  
P.O. Box 249  
Ellenboro, WV 26346  
304-869-3405

Subscribed and sworn before me this 27 day of Oct, 2008  
My Commission Expires 1/11/2011

Notary Public

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INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE  
Chapter 22, Article 6, Section 8(d)  
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that –

- (1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Grantor, lessor, etc.	Grantee, lessee, etc.	Royalty	Book/Page
M. Hickman, et al	Clarence W. Mutschelknaus	12.5 %	1/8th 219/497

Well  
Operator:  
By:  
Its:

Hickman/Ford #2  
Hall Drilling, LLC

President

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West Virginia Department of Environmental Protection  
Office of Oil and Gas

NOTICE TO SURFACE OWNERS

The well operator named below is preparing to file for a permit from the state to drill a new well. Before a well work permit can be filed with the Chief of the Office of Oil and Gas, the well operator is required to have given notice of the right to request water well or spring analytical testing. This notice shall be given to the owners or occupants of land which have a water well or spring being utilized for human consumption, domestic animals, or other general use and which is located within 1000 feet of the proposed well site.

With this form, the operator is giving you notice of your right to request analytical testing. The operator is required to sample and analyze the water wells or springs of all owners or occupants who request it. Therefore, if you wish to have your water well or spring tested, contact the operator named below.

All sampling shall be completed prior to drilling. Within thirty (30) days of the receipt of such sample analyses the operator shall submit the results to the Chief of the Office of Oil and Gas and to the owners or occupants who may have requested them.

If no water well or spring is located within 1000 feet, the Chief may require the operator to sample and analyze water from a water well or spring within 2000 feet of the proposed well site.

Be advised, you have the right to sample and analyze any water supply at your own expense.

The laboratory used by the operator to analyze the samples will be approved by the Chief. The operator named below has decided to use the following laboratory to analyze the water samples:

X Contractor Name Smith Land Surveying, Inc.  
           Well operator's private laboratory

Well Operator Hall Drilling, LLC  
Address P.O. Box 249  
Ellenboro, WV 26346  
Telephone 304-869-3405

FOR OPERATOR'S USE ONLY: Below, or on an attached page, list those persons which were given this notice. Place an asterisk beside the one(s) that contacted you and requested sampling and analyses. If there were no requests made, indicate by underlining which one you have selected to sample and analyze. If there are no water wells or springs within 1000 feet of the proposed site please indicate such.

NOTE: There appears to be no potable water sources within 1,000', therefore no tests will be run.

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WV Department of  
Environmental Protection

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION,  
OFFICE OF OIL AND GAS

CONSTRUCTION AND RECLAMATION PLAN AND SITE REGISTRATION APPLICATION FORM  
GENERAL PERMIT FOR OIL AND GAS PIT WASTE DISCHARGE

Operator Name Hall Drilling, LLC OP Code \_\_\_\_\_

Watershed Buckeye Run Quadrangle Salem 7.5'

Elevation 1263' County Doddridge District Grant

Description of anticipated Pit Waste: Drill Water, Frac Blow Back & Various Formation Cuttings

Will a synthetic liner be used in the pit? Yes

Proposed Disposal Method For Treated Pit Wastes:

- ☒ Land Application  
☐ Underground Injection ( UIC Permit Number \_\_\_\_\_ )  
☐ Reuse (at API Number \_\_\_\_\_ )  
☐ Off Site Disposal (Supply form WW-9 for disposal location)  
☐ Other (Explain \_\_\_\_\_)

Proposed Work For Which Pit Will Be Used:

- ☒ Drilling ☒ Swabbing  
☐ Workover ☐ Plugging  
☐ Other (Explain \_\_\_\_\_)

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

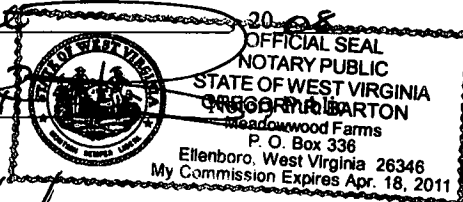
I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

Company Official Signature \_\_\_\_\_

Company Official (Typed Name) Mike Hall

Company Official Title Designated Agent

Subscribed and sworn before me this 27 day of Oct 2008



My commission expires 4/18/2011

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Office of Oil & Gas

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Environmental Protection

ALL ROADS SHOWN HEREON ARE EXISTING UNLESS OTHERWISE NOTED AND SHALL BE MAINTAINED IN ACCORDANCE WITH WV D.E.P. OIL AND GAS BMP MANUAL. ENTRANCES AT COUNTY/STATE ROADS SHALL BE MAINTAINED IN ACCORDANCE WITH WV D.O.T. REGULATIONS. SEPARATE PERMITS MAY BE REQUIRED BY THE D.O.T.

SEDIMENT BASINS (TRAPS) AND APPROPRIATE EROSION CONTROL BARRIERS ARE TO BE CONSTRUCTED AT ALL CULVERT AND CROSS DRAIN INLETS AND OUTLETS AS REQUIRED IN THE WV D.E.P. OIL AND GAS BMP MANUAL. FIELD CONDITIONS (ROCK OUTCROPS AND BEDROCK) MAY PROHIBIT INLET TRAPS BEING INSTALLED. WHEN THESE CONDITIONS EXIST ADDITIONAL EROSION CONTROL MEASURES SHALL BE EVALUATED AND UTILIZED AS NEEDED.

EARTHWORK CONTRACTORS ARE RESPONSIBLE FOR NOTIFICATION TO THE OPERATOR AND INSPECTOR PRIOR TO ANY DEVIATION FROM THIS PLAN.

TEMPORARY SEED & MULCH ALL SLOPES AFTER CONSTRUCTION OF LOCATION.

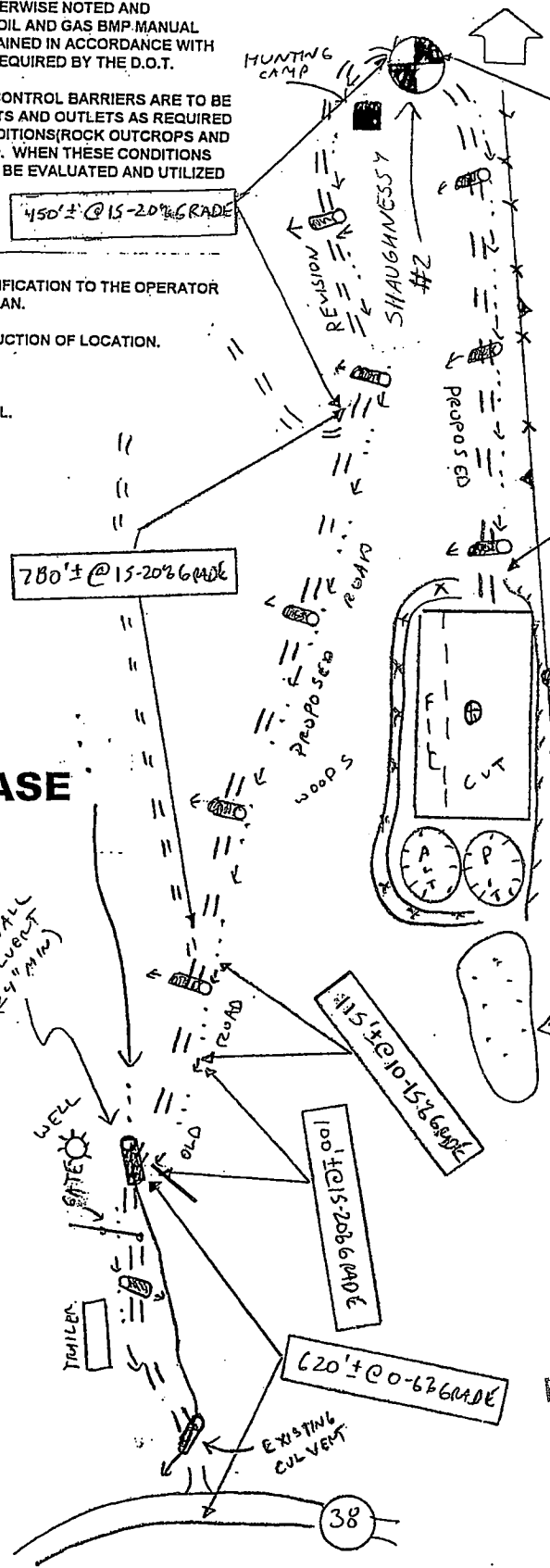
CUT & STACK ALL MARKETABLE TIMBER.

STACK BRUSH BELOW LOCATION FOR SEDIMENT CONTROL.

Ø = CULVERT TO BE INSTALLED AT A 12" MINIMUM (UNLESS NOTED OTHERWISE)

# SHAUGHNESSY LEASE

(REVISION) 36" BY REQUEST OF INSPECTOR  
INSTALL CULVERT (24" MIN)



TO UNDERWOOD #2  
FROM #1  
FORD #1  
HICKMAN/FORD #15 1+2

SEE ATTACHED SHEET FOR  
DETAIL SKETCH OF  
SHAUGHNESSY

1000'± @ 2-3% GRADE

SHAUGHNESSY #1

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Environmental Protection

DRAWING  
NOT  
TO  
SCALE



SMITH LAND SURVEYING, INC.

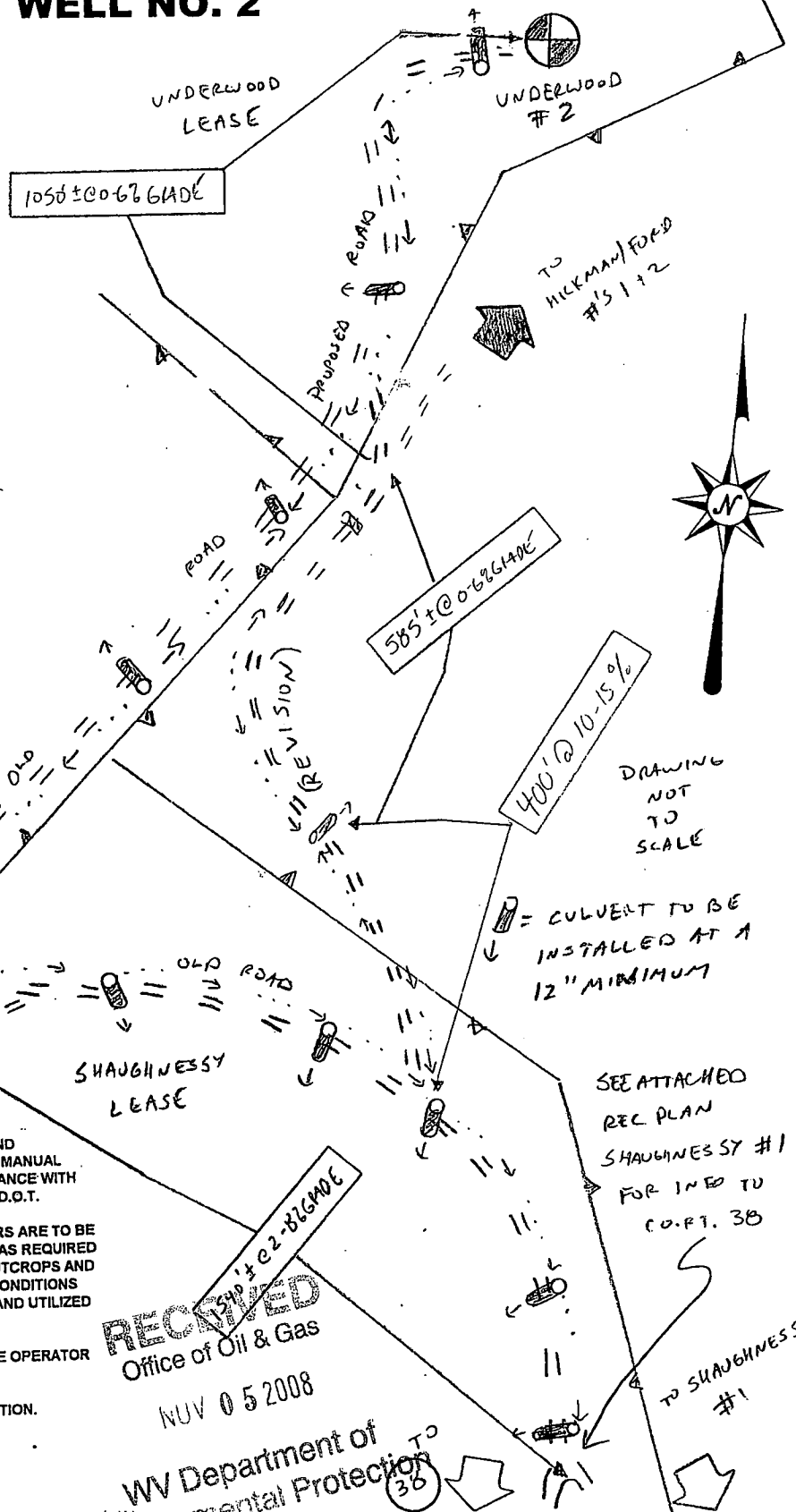
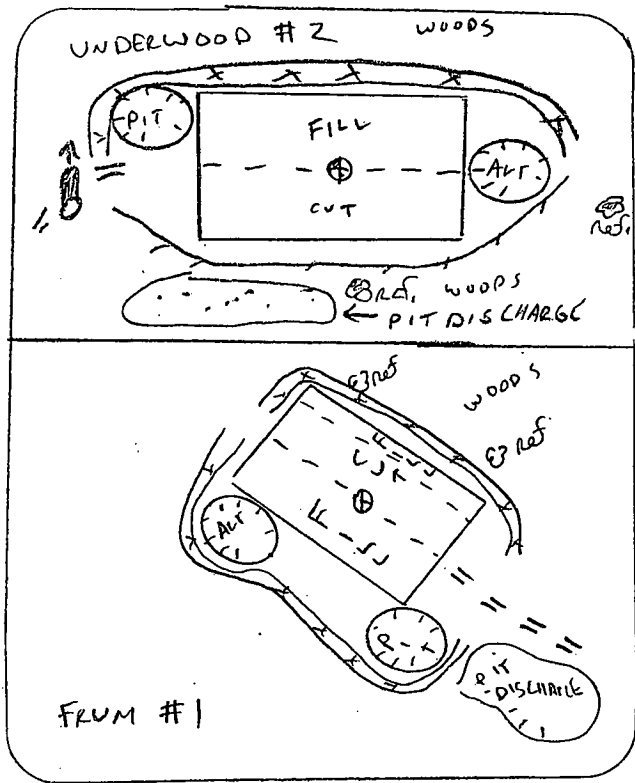
P.O. BOX 150, GLENVILLE, WV 26351

Phone (304) 462-5656 or 462-5634

REVISED BY C.P.M. 4/24/08 10/10/08 10/10/08  
DRAWN BY C.P.M. DATE 1/14/08 FILE NO. 6737

17-05775

# UNDERWOOD LEASE WELL NO. 2



ALL ROADS SHOWN HEREON ARE EXISTING UNLESS OTHERWISE NOTED AND SHALL BE MAINTAINED IN ACCORDANCE WITH WV D.E.P. OIL AND GAS BMP MANUAL ENTRANCES AT COUNTY/STATE ROADS SHALL BE MAINTAINED IN ACCORDANCE WITH WV D.O.T. REGULATIONS. SEPARATE PERMITS MAY BE REQUIRED BY THE D.O.T.

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EARTHWORK CONTRACTORS ARE RESPONSIBLE FOR NOTIFICATION TO THE OPERATOR AND INSPECTOR PRIOR TO ANY DEVIATION FROM THIS PLAN.

TEMPORARY SEED & MULCH ALL SLOPES AFTER CONSTRUCTION OF LOCATION.

CUT & STACK ALL MARKETABLE TIMBER.

STACK BRUSH BELOW LOCATION FOR SEDIMENT CONTROL.

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Office of Oil & Gas  
NOV 05 2008

WV Department of  
Environmental Protection

Phone (304) 462-5656 or 462-5634

REVISED BY C.P.M. 10/9/08 6705  
DRAWN BY C.P.M. DATE 1/14/08 FILE NO. 6693



SMITH LAND SURVEYING, INC.

P.O. BOX 150, GLENVILLE, WV 26351

ALL ROADS SHOWN HEREON ARE EXISTING UNLESS OTHERWISE NOTED AND SHALL BE MAINTAINED IN ACCORDANCE WITH WV D.E.P. OIL AND GAS BMP MANUAL ENTRANCES AT COUNTY/STATE ROADS SHALL BE MAINTAINED IN ACCORDANCE WITH WV D.O.T. REGULATIONS. SEPARATE PERMITS MAY BE REQUIRED BY THE D.O.T.

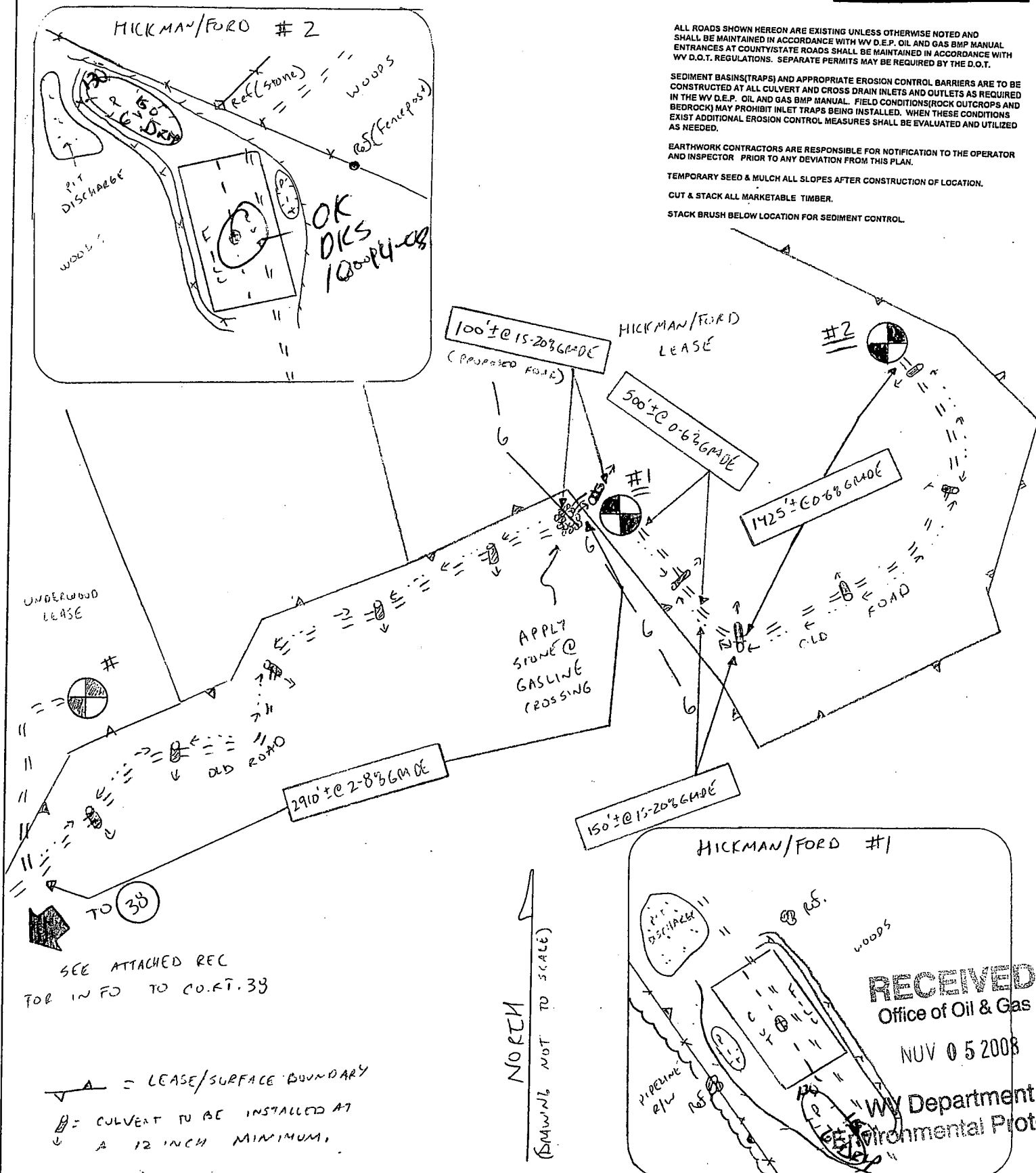
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CUT & STACK ALL MARKETABLE TIMBER.

STACK BRUSH BELOW LOCATION FOR SEDIMENT CONTROL.



SLS

SMITH LAND SURVEYING, INC.

P.O. BOX 150, GLENVILLE, WV 26351

Phone (304) 462-5634 Fax 462-5656 email: sls@rtol.net

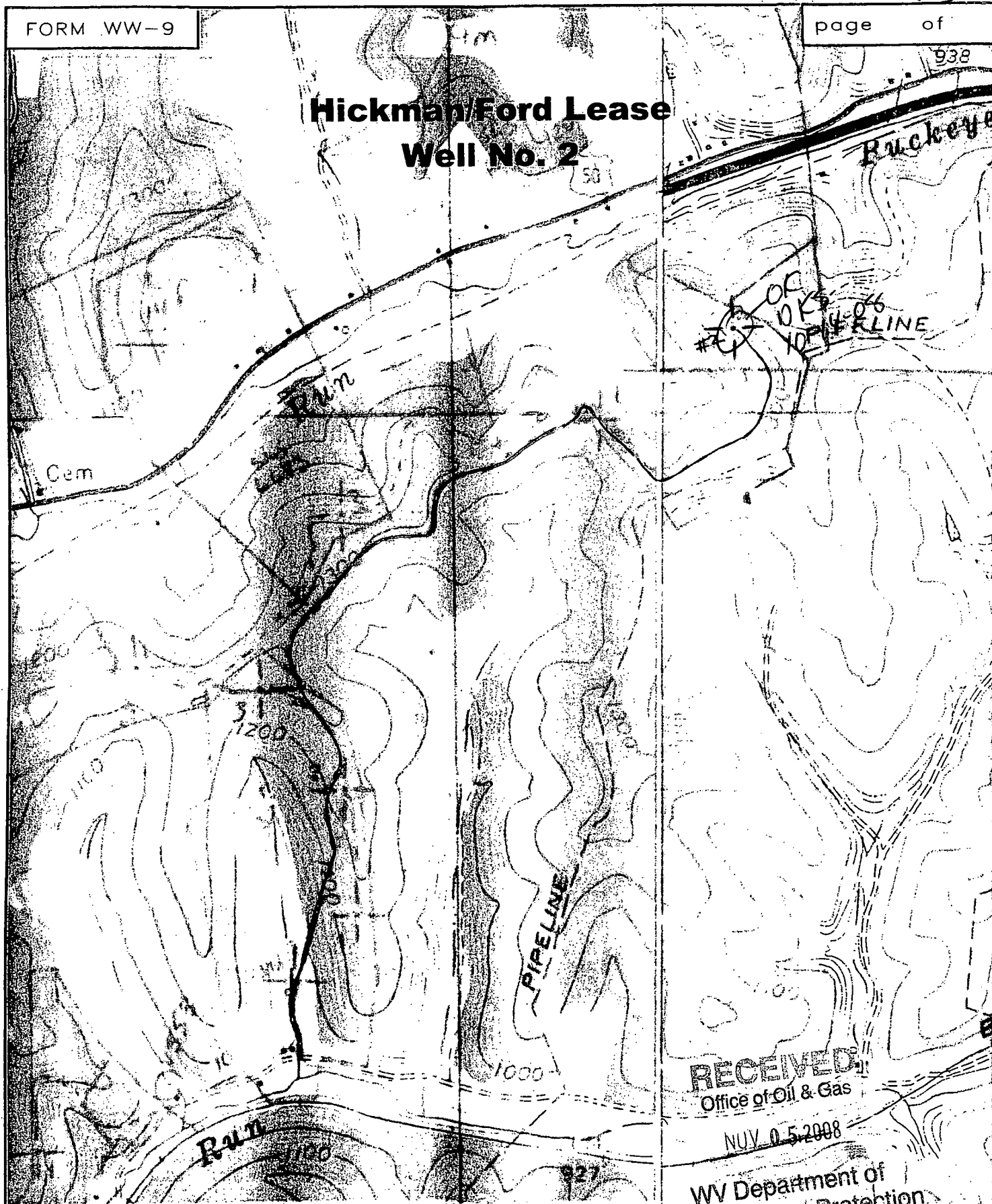
DRAWN BY C.P.M.

DATE 10/9/08

FILE NO. 6739

17-05775

# Hickman/Ford Lease Well No. 2



**SLS**

SMITH LAND SURVEYING  
P.O. BOX 150 GLENVILLE, WV. 26351

TOPO SECTION OF  
SMITHBURG & SALEM 7.5'

FILE NO. 6739

DATE 10/10/08 SCALE 1"= 1000'

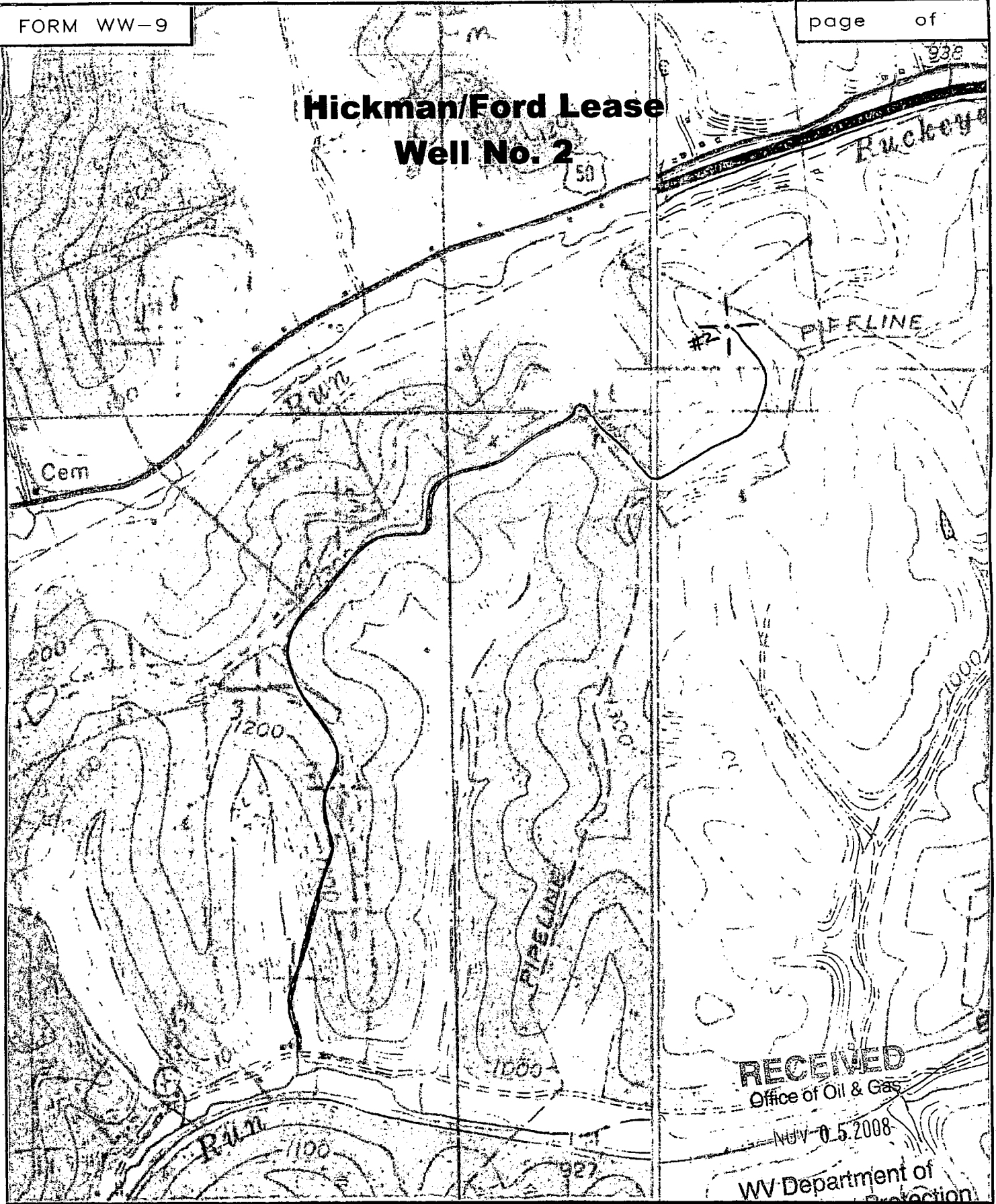


17-05775

FORM WW-9

page of

# Hickman/Ford Lease Well No. 2



SMITH LAND SURVEYING  
P.O. BOX 150 GLENVILLE, WV. 26351

TOPO SECTION OF SMITHBURG & SALEM 7.5'

FILE NO. 6739 DATE 10/10/08 SCALE 1"= 1000'

## SURFACE OWNER WAIVER

County Doddridge

Operator

Hall Drilling, LLC

Operator well number

Hickman/Ford #2

INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW2-A

The well operator named on page WW2A is applying for a permit from the State to do oil or gas well work. (Note: If the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22 of the West Virginia Code. Well work permits are valid for 24 months. If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator and the Office of Oil and Gas.

NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.

WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:

Chief, Office of Oil and Gas  
Department of Environmental Protection  
601 57<sup>th</sup> St. SE  
Charleston, Wv 25304  
(304) 926-0450

Time Limits and methods for filing comments. The law requires these materials to be served on or before the date the operator files his Application. You have FIFTEEN (15) DAYS after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

Comments must be in writing. Your comments must include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

The Chief has the power to deny or condition a well work permit based on comments on the following grounds:

- 1) The proposed well work will constitute a hazard to the safety of persons.
- 2) The soil erosion and sediment control plan is not adequate or effective;
- 3) Damage would occur to publicly owned lands or resources;
- 4) The proposed well work fails to protect fresh water sources or supplies;
- 5) The applicant has committed a substantial violation of a previous permit or a substantial violation of one or more of the rules promulgated under Chapter 22, and has failed to abate or seek review of the violation..."

If you want a copy of the permit as it is issued or a copy of the order denying the permit, you should request a copy from the Chief.

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I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials.

FOR EXECUTION BY A NATURAL PERSON

FOR EXECUTION BY A CORPORATION, ETC.

Company  
Name  
By  
Its

Signature

Date 10/28/08

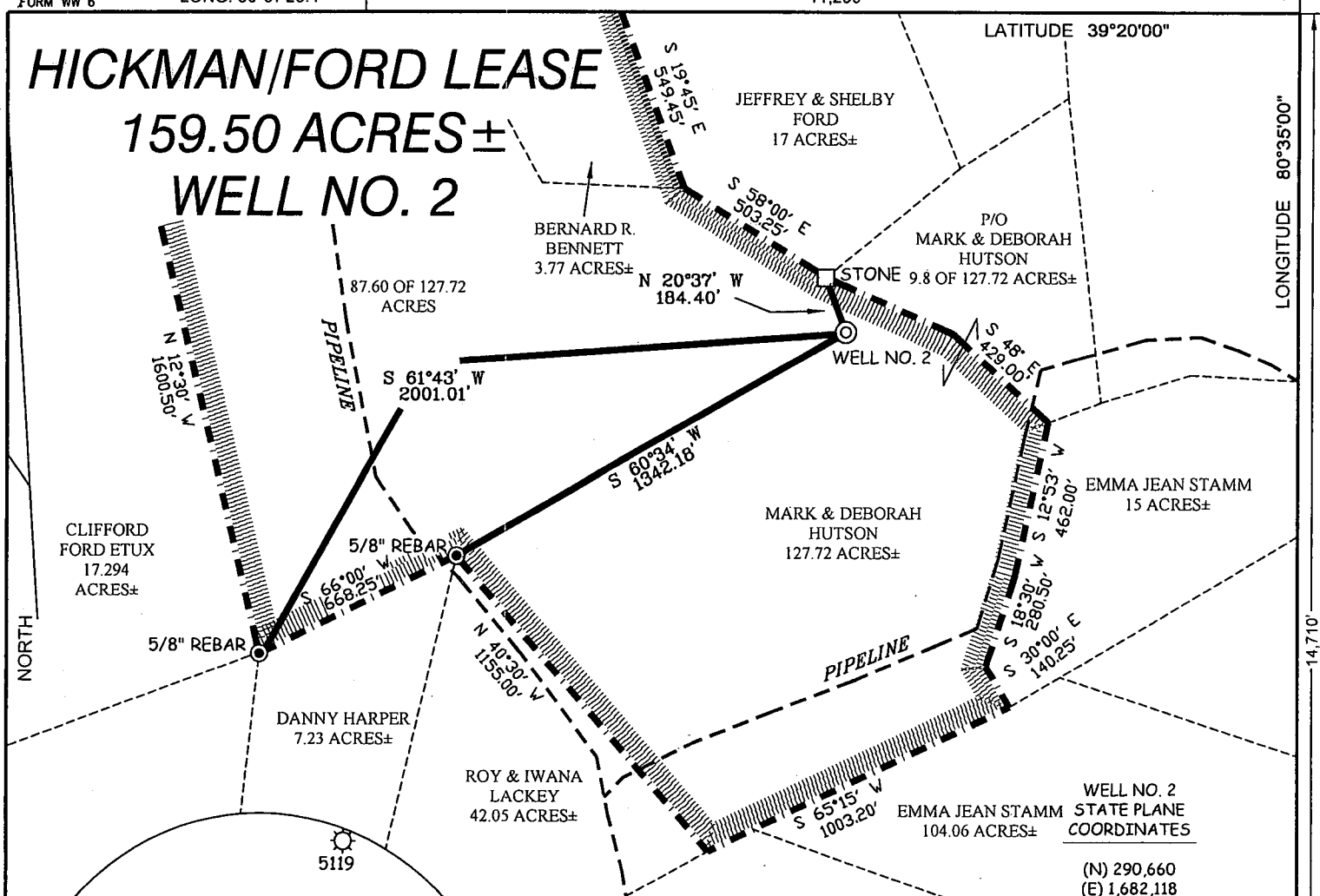
Print Name

Signature

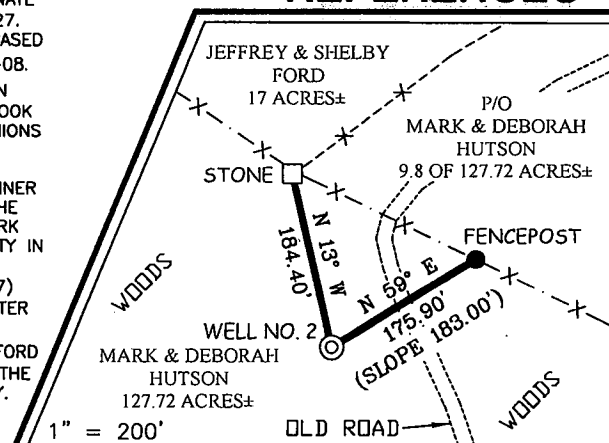
RECEIVED  
Date  
Office of Oil & Gas

NOV 05 2008  
Date

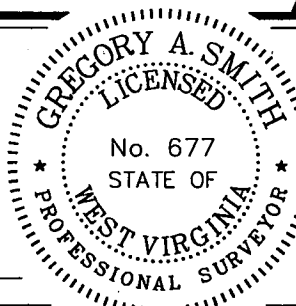
WV Department of  
Environmental Protection

**HICKMAN/FORD LEASE****159.50 ACRES±  
WELL NO. 2****NOTES ON SURVEY**

1. TIES TO WELLS AND CORNERS ARE BASED ON GRID NORTH FOR THE WV STATE PLANE COORDINATE SYSTEM NORTH ZONE NAD '27.
2. TIES TO REFERENCES ARE BASED ON MAGNETIC NORTH 10-08-08.
3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM DEED BOOK 266 PAGE 285 AND TITLE OPINIONS PREPARED BY STEPTOE & JOHNSON, PLLC.
4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF DODDRIDGE COUNTY IN JULY, 2008.
5. WELL LAT./LONG. (NAD'27) ESTABLISHED BY DGPS(SUBMETER MAPPING GRADE).
6. PROPOSED WELL HICKMAN/FORD #2 IS OVER 100 FEET FROM THE APPARENT LEASE BOUNDARY.

**REFERENCES**

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DIVISION OF ENVIRONMENTAL PROTECTION.

P.S.  
677

(\*) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

DATE OCTOBER 8, 20 08OPERATORS WELL NO. HICKMAN/FORD #2API  
WELL NO. 47-17-05775  
STATE COUNTY PERMITMINIMUM DEGREE OF ACCURACY 1/200 FILE NO. 6739P2(267-51)  
PROVEN SOURCE OF ELEVATION DGPS (SUBMETER MAPPING GRADE) SCALE 1" = 500'STATE OF WEST VIRGINIA  
DIVISION OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS

WELL TYPE: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> LIQUID INJECTION <input type="checkbox"/> WASTE DISPOSAL <input type="checkbox"/> IF "GAS" PRODUCTION <input checked="" type="checkbox"/> STORAGE <input type="checkbox"/> (NOTE 6) DEEP <input checked="" type="checkbox"/> SHALLOW <input type="checkbox"/>
LOCATION: ELEVATION <u>1,263'</u> WATERSHED <u>BUCKEYE RUN</u>
DISTRICT <u>GRANT</u> COUNTY <u>DODDRIDGE</u> QUADRANGLE <u>SALEM 7.5'</u>
SURFACE OWNER <u>MARK &amp; DEBORAH HUTSON</u> ACREAGE <u>127.72±</u>
ROYALTY OWNER <u>M. HICKMAN ETAL</u> LEASE ACREAGE <u>159.50±</u>
PROPOSED WORK: LEASE NO. _____
DRILL <input checked="" type="checkbox"/> CONVERT <input type="checkbox"/> DRILL DEEPER <input type="checkbox"/> REDRILL <input type="checkbox"/> FRACTURE OR STIMULATE <input checked="" type="checkbox"/> PLUG OFF OLD FORMATION <input type="checkbox"/> PERFORATE NEW FORMATION <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> CLEAN OUT AND REPLUG <input type="checkbox"/> OTHER <input type="checkbox"/>
PHYSICAL CHANGE IN WELL (SPECIFY) _____ TARGET FORMATION <u>MARCELLUS</u>
ESTIMATED DEPTH <u>8,100'</u>

WELL OPERATOR HALL DRILLING, LLC  
ADDRESS P.O. BOX 249  
ELLENBORO, WV 26346DESIGNATED AGENT MIKE HALL  
ADDRESS P.O. BOX 249  
ELLENBORO, WV 26346

**STATE OF WEST VIRGINIA**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS**  
**WELL WORK PERMIT APPLICATION**

1) Well Operator Hall Drilling, LLC 17 3 596  
 Operator ID County District Quadrangle

2) Operator's Well Number: Newlon #3 3) Elevation: 1338'

4) Well Type: (a) Oil        or Gas x  
 (b) If Gas: Production x / Underground Storage         
 Deep x / Shallow       

5) Proposed Target Formation(s): Marcellus

6) Proposed Total Depth: 8100 Feet

7) Approximate fresh water strata depths: 317'

8) Approximate salt water depths: 1179'

9) Approximate coal seam depths: 879' - 884'

10) Does land contain coal seams tributary to active mine? No

11) Describe proposed well work To Drill and Stimulate a New Well

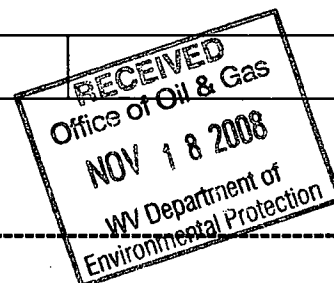
12) **CASING AND TUBING PROGRAM**

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft	For Drilling	Left in Well	Fill -up (Cu. Ft.)
Conductor						OK DKS 11-6-08
Fresh Water		9 5/8"	22 #	347'	347'	CTJ
Coal						
Intermediate		7"	16 #	2879'	2879'	CTJ
Production		4 1/2"	11.68 #	8100'	8100'	BY RGR JS CLR 4-11.1
Tubing						
Liners						

Packers: Kind  
 Sizes  
 Depths Set

Ch 014317

900



1) Date: October 3, 2008  
2) Operator's Well Number Newlon #3  
3) API Well No.: 47 - 17 - 05782  
State County Permit

**STATE OF WEST VIRGINIA**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS**  
**NOTICE AND APPLICATION FOR A WELL WORK PERMIT**

**4) Surface Owner(s) to be served:**

(a) Name Neva Ritter  
Address 151 Valley Street  
Salem, WV 26426

(b) Name \_\_\_\_\_  
Address \_\_\_\_\_

(c) Name \_\_\_\_\_  
Address \_\_\_\_\_

**5) (a) Coal Operator**

Name \_\_\_\_\_  
Address \_\_\_\_\_

**(b) Coal Owner(s) with Declaration**

Name N/A  
Address \_\_\_\_\_

Name \_\_\_\_\_  
Address \_\_\_\_\_

**6) Inspector** David Scranage  
Address Rt. 2 Box 11  
Lost Creek, WV 26385  
Telephone 304-380-3749

**(c) Coal Lessee with Declaration**  
Name \_\_\_\_\_  
Address \_\_\_\_\_

**TO THE PERSONS NAMED ABOVE TAKE NOTICE THAT:**

Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas

OR  
X Included is the information required by Chapter 22, Article 6, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22-6 of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through \_\_\_\_\_ on the above named parties by:

\_\_\_\_\_ Personal Service (Affidavit attached)  
X \_\_\_\_\_ Certified Mail (Postmarked postal receipt attached)  
\_\_\_\_\_ Publication (Notice of Publication attached)

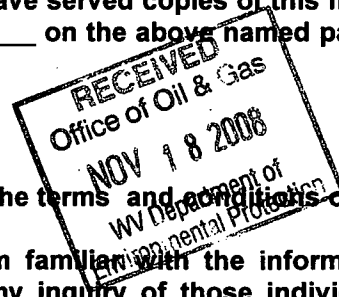
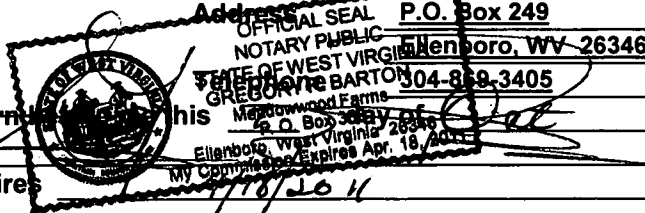
I have read and understand Chapter 22-6 and 35 CSR 4, and I agree to the terms and conditions of any permit issued under this application.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator Hall Drilling, LLC  
By: Mike Hall  
Its: Designated Agent  
Address P.O. Box 249  
Ellenboro, WV 26346

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 2008  
My Commission Expires \_\_\_\_\_  
Notary Public



INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE  
Chapter 22, Article 6, Section 8(d)  
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that –

- (1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Grantor, lessor, etc.	Grantee, lessee, etc.	Royalty	Book/Page
Glenville State College	Clarence W. Mutschelknaus	1/8 <sup>th</sup>	2201478
Clarence W. Mutschelknaus	Bluestone Energy Partners	W.I.	2201644



Well  
Operator:  
By:  
Its:

Hall Drilling, LLC

Mike Hall

Designated Agent

**West Virginia Department of Environmental Protection  
Office of Oil and Gas**

**NOTICE TO SURFACE OWNERS**

The well operator named below is preparing to file for a permit from the state to drill a new well. Before a well work permit can be filed with the Chief of the Office of Oil and Gas, the well operator is required to have given notice of the right to request water well or spring analytical testing. This notice shall be given to the owners or occupants of land which have a water well or spring being utilized for human consumption, domestic animals, or other general use and which is located within 1000 feet of the proposed well site.

With this form, the operator is giving you notice of your right to request analytical testing. The operator is required to sample and analyze the water wells or springs of all owners or occupants who request it. Therefore, if you wish to have your water well or spring tested, contact the operator named below.

All sampling shall be completed prior to drilling. Within thirty (30) days of the receipt of such sample analyses the operator shall submit the results to the Chief of the Office of Oil and Gas and to the owners or occupants who may have requested them.

If no water well or spring is located within 1000 feet, the Chief may require the operator to sample and analyze water from a water well or spring within 2000 feet of the proposed well site.

Be advised, you have the right to sample and analyze any water supply at your own expense.

The laboratory used by the operator to analyze the samples will be approved by the Chief. The operator named below has decided to use the following laboratory to analyze the water samples:

<u>X</u>	Contractor Name	<u>Smith Land Surveying, Inc.</u>
<u>      </u>	Well operator's private laboratory	

Well Operator	Hall Drilling, LLC
Address	P.O. Box 249 Ellenboro, WV 26346
Telephone	304-869-3405



**FOR OPERATOR'S USE ONLY:** Below, or on an attached page, list those persons which were given this notice. Place an asterisk beside the one(s) that contacted you and requested sampling and analyses. If there were no requests made, indicate by underling which one you have selected to sample and analyze. If there are no water wells or springs within 1000 feet of the proposed site please indicate such.

**NOTE:** There appears to be 1± potable water sources within 1,000', therefore tests will be offered and samples taken as required.

17-05782



SMITH LAND SURVEYING, INC.

ENVIRONMENTAL DIVISION

P.O. BOX 180, GLENVILLE, WV 26351

(304) 462-5634 • FAX 462-5656

**WELL INFORMATION AND POTENTIAL WATER WELL SAMPLE DATA SHEET**

**OPERATOR:** Hall Drilling.

**LEASE NAME AND NUMBER:** Newlon #3

**COMMENTS**

The initial mapping review of the area surrounding the proposed well site revealed the below listed surface owner(s) that were potentially utilizing groundwater (potable) for Human Consumption or other purposes within 1000' of the proposed well site. The following landowners have been notified of the opportunity to request a water sample should it be necessary.

\*Please note that the following information is subject to change upon field inspection.

**INDIVIDUAL CONTACTED OR NOTIFIED**

Owner/Occupant: Neva A. Ritter

Address: 151 Valley Street, Salem, WV. 26426 Letter/Notice Date: \_\_\_\_\_

Comments: Par # 21

Owner/Occupant: \_\_\_\_\_

Address: \_\_\_\_\_ Letter/Notice Date: \_\_\_\_\_

Comments: \_\_\_\_\_

Owner/Occupant: \_\_\_\_\_

Address: \_\_\_\_\_ Letter/Notice Date: \_\_\_\_\_

Comments: \_\_\_\_\_

Owner/Occupant: \_\_\_\_\_

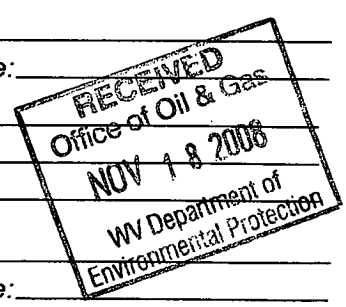
Address: \_\_\_\_\_ Letter/Notice Date: \_\_\_\_\_

Comments: \_\_\_\_\_

Owner/Occupant: \_\_\_\_\_

Address: \_\_\_\_\_ Letter/Notice Date: \_\_\_\_\_

Comments: \_\_\_\_\_





STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION,  
OFFICE OF OIL AND GAS

CONSTRUCTION AND RECLAMATION PLAN AND SITE REGISTRATION APPLICATION FORM  
GENERAL PERMIT FOR OIL AND GAS PIT WASTE DISCHARGE

Operator Name Hall Drilling, LLC OP Code \_\_\_\_\_

Watershed Buckeye Run Quadrangle Salem 7.5'

Elevation 1338' County Doddridge District Grant

Description of anticipated Pit Waste: Drill Water, Frac Blow Back & Various Formation Cuttings

Will a synthetic liner be used in the pit? Yes

Proposed Disposal Method For Treated Pit Wastes:

- ☒ Land Application  
☐ Underground Injection ( UIC Permit Number \_\_\_\_\_ )  
☐ Reuse (at API Number \_\_\_\_\_ )  
☐ Off Site Disposal (Supply form WW-9 for disposal location)  
☐ Other (Explain \_\_\_\_\_ )

Proposed Work For Which Pit Will Be Used:

- ☒ Drilling ☒ Swabbing  
☐ Workover ☐ Plugging  
☐ Other (Explain \_\_\_\_\_ )

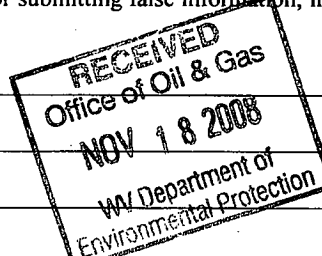
I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

Company Official Signature \_\_\_\_\_

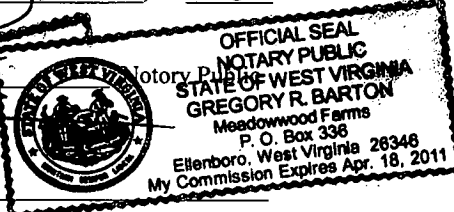
Company Official (Typed Name) Mike Hall

Company Official Title Designated Agent

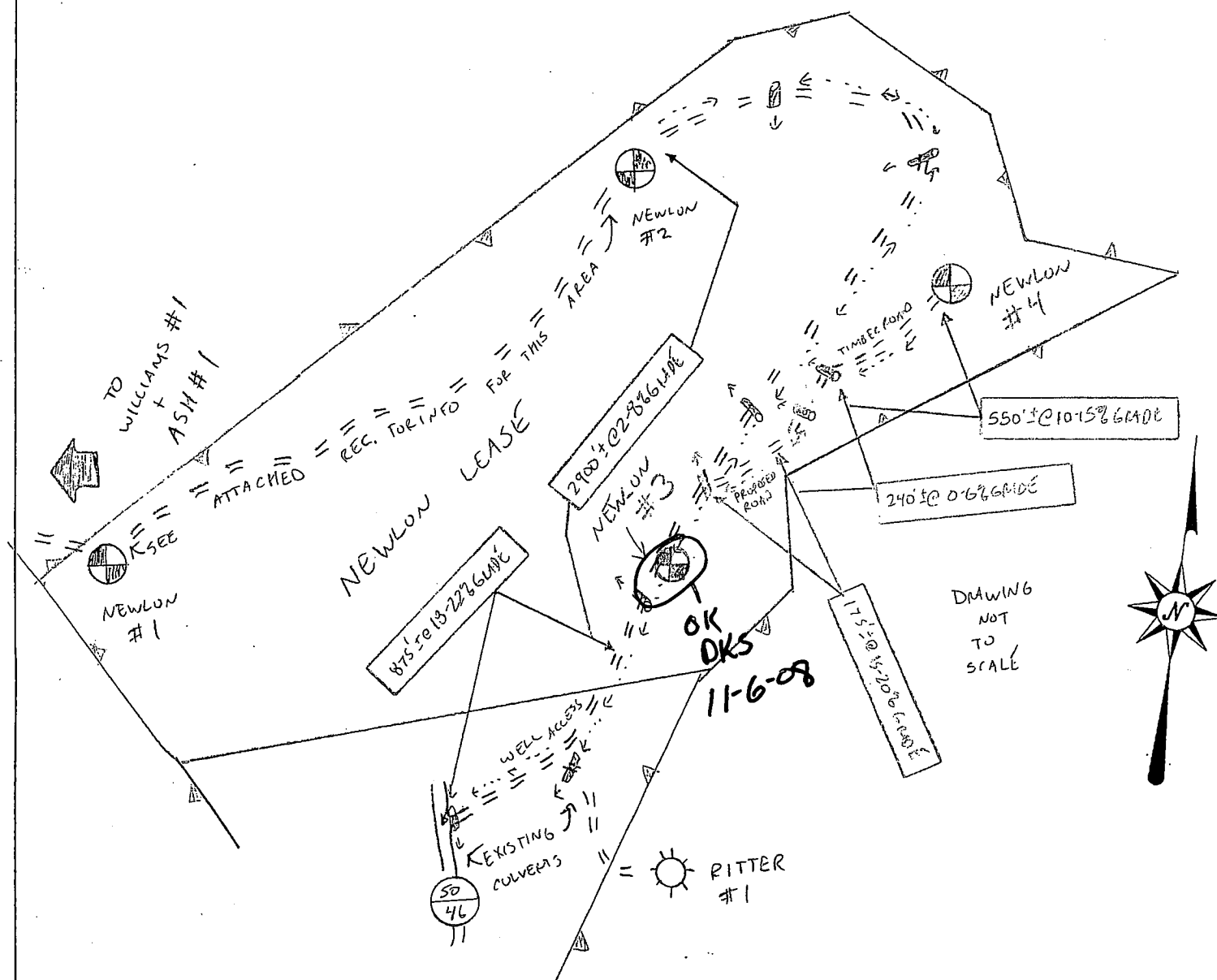



Subscribed and sworn before me this 17th day of Oct, 20 08

My commission expires 4/18/2011



## Newlon Lease



 = CULVERT TO BE INSTALLED  
 12 INCH MINIMUM.

SEE ATTACHED SHEET FOR  
 DETAIL SKETCHES OF  
 NEWLON #'S 3 + 4.

ALL ROADS SHOWN HEREON ARE EXISTING UNLESS OTHERWISE NOTED AND SHALL BE MAINTAINED IN ACCORDANCE WITH WV D.E.P. OIL AND GAS BMP MANUAL ENTRANCES AT COUNTY/STATE ROADS SHALL BE MAINTAINED IN ACCORDANCE WITH WV D.O.T. REGULATIONS. SEPARATE PERMITS MAY BE REQUIRED BY THE D.O.T.

SEDIMENT BASINS (TRAPS) AND APPROPRIATE EROSION CONTROL BARRIERS ARE TO BE CONSTRUCTED AT ALL CULVERT AND CROSS DRAIN INLETS AND OUTLETS AS REQUIRED IN THE WV D.E.P. OIL AND GAS BMP MANUAL. FIELD CONDITIONS (ROCK OUTCROPS AND BEDROCK) MAY PROHIBIT INLET TRAPS BEING INSTALLED. WHEN THESE CONDITIONS EXIST ADDITIONAL EROSION CONTROL MEASURES SHALL BE EVALUATED AND UTILIZED AS NEEDED.

EARTHWORK CONTRACTORS ARE RESPONSIBLE FOR NOTIFICATION TO THE OPERATOR AND INSPECTOR PRIOR TO ANY DEVIATION FROM THIS PLAN.

TEMPORARY SEED & MULCH ALL SLOPES AFTER CONSTRUCTION OF LOCATION.

CUT & STACK ALL MARKETABLE TIMBER.

STACK BRUSH BELOW LOCATION FOR SEDIMENT CONTROL.

**SLS**

SMITH LAND SURVEYING, INC.

P.O. BOX 150, GLENVILLE, WV 26351

Phone (304) 462-5634 Fax 462-5656 email: sls@rtol.net

REVISED BY C.P.M.

10/1/08

6894

DRAWN BY C.P.M.

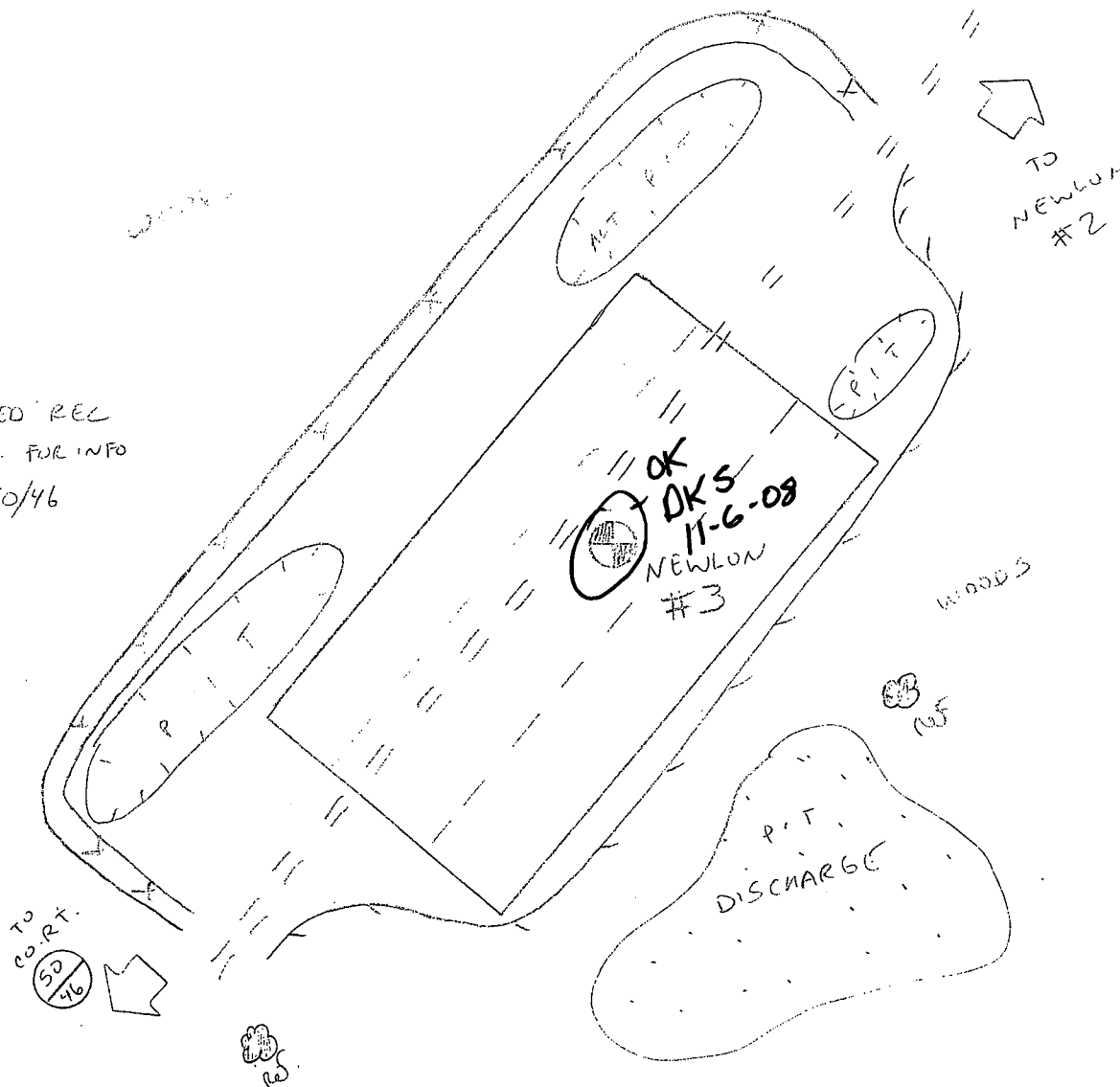
DATE 7/22/08

 FILE NO. 6898  
6714

# Newlon Lease

## Well No. 3

SEE ATTACHED REC  
NEWLON #2. FOR INFO  
TO CO. RT. 50/46



ALL ROADS SHOWN HEREON ARE EXISTING UNLESS OTHERWISE NOTED AND SHALL BE MAINTAINED IN ACCORDANCE WITH WV D.E.P. OIL AND GAS BMP MANUAL ENTRANCES AT COUNTY/STATE ROADS SHALL BE MAINTAINED IN ACCORDANCE WITH WV D.O.T. REGULATIONS. SEPARATE PERMITS MAY BE REQUIRED BY THE D.O.T.

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EARTHWORK CONTRACTORS ARE RESPONSIBLE FOR NOTIFICATION TO THE OPERATOR AND INSPECTOR PRIOR TO ANY DEVIATION FROM THIS PLAN.

TEMPORARY SEED & MULCH ALL SLOPES AFTER CONSTRUCTION OF LOCATION.

CUT & STACK ALL MARKETABLE TIMBER.

STACK BRUSH BELOW LOCATION FOR SEDIMENT CONTROL.



SMITH LAND SURVEYING, INC.

P.O. BOX 150, GLENVILLE, WV 26351

Phone (304) 462-5634 Fax 462-5656 email: sls@rtol.net

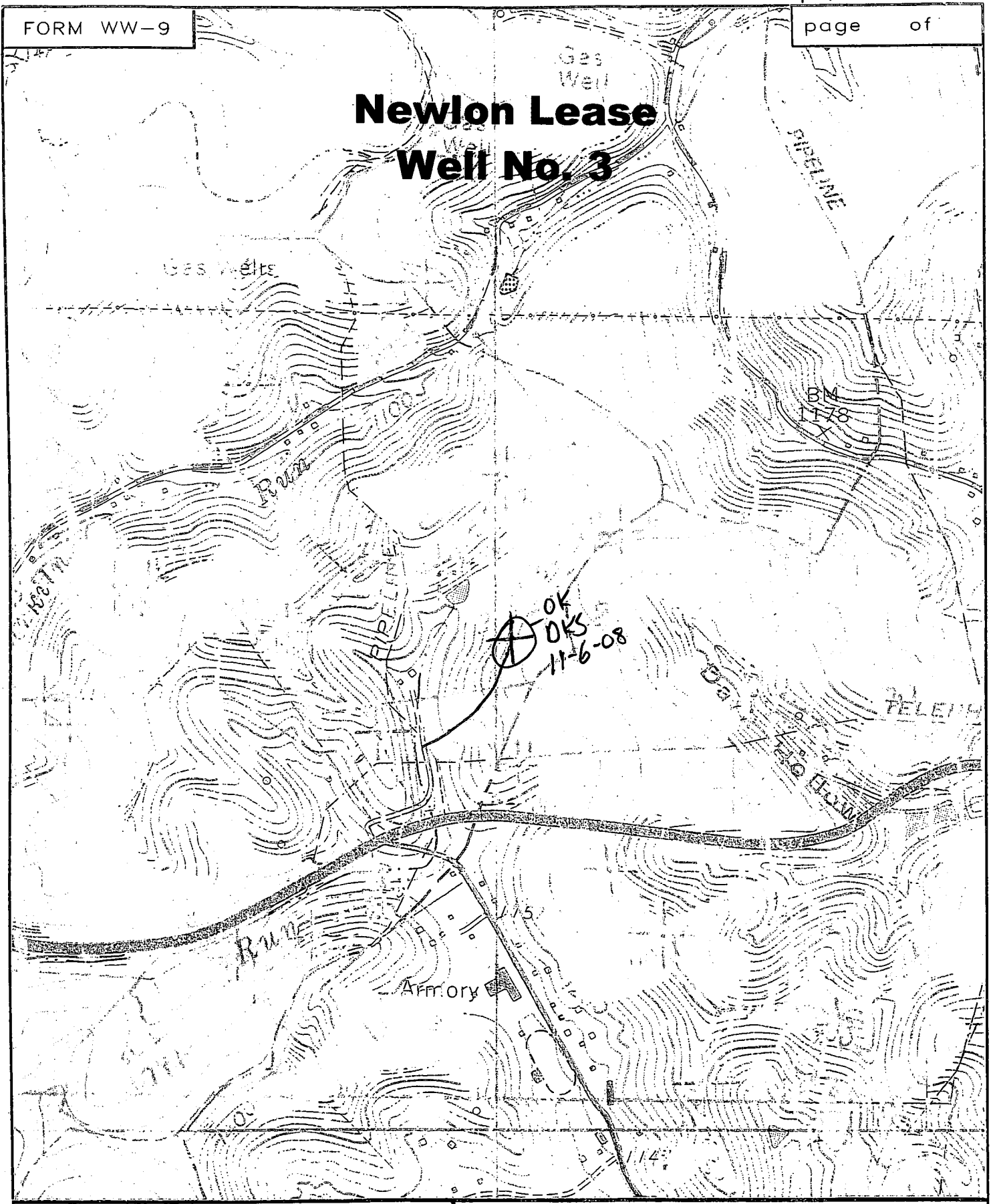
DRAWN BY C.P.M. DATE 7/29/08 FILE NO. 6714

17-05782

FORM WW-9

page of

# Newlon Lease Well No. 3



**SLS**

SMITH LAND SURVEYING  
P.O. BOX 150 GLENVILLE, WV. 26351

TOPO SECTION OF SALEM 7.5'

FILE NO. 6714 DATE 10/1/08 SCALE 1"=1000'

## SURFACE OWNER WAIVER

County **Doddridge**

Operator

Hall Drilling, LLC

Operator well number

Newlon #3INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW2-A

The well operator named on page WW2A is applying for a permit from the State to do oil or gas well work. (Note: If the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22 of the West Virginia Code. Well work permits are valid for 24 months. If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator and the Office of Oil and Gas.

NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.

WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:

Chief, Office of Oil and Gas  
Department of Environmental Protection  
601 57<sup>th</sup> St. SE  
Charleston, Wv 25304  
(304) 926-0450

Time Limits and methods for filing comments. The law requires these materials to be served on or before the date the operator files his Application. You have FIFTEEN (15) DAYS after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

Comments must be in writing. Your comments must include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

The Chief has the power to deny or condition a well work permit based on comments on the following grounds:

- 1) The proposed well work will constitute a hazard to the safety of persons.
- 2) The soil erosion and sediment control plan is not adequate or effective;
- 3) Damage would occur to publicly owned lands or resources;
- 4) The proposed well work fails to protect fresh water sources or supplies;
- 5) The applicant has committed a substantial violation of a previous permit or a substantial violation of one or more of the rules promulgated under Chapter 22, and has failed to abate or seek review of the violation...".

If you want a copy of the permit as it is issued or a copy of the order denying the permit, you should request a copy from the Chief.

List of Water Testing Laboratories. The Office maintains a list of water testing laboratories which you can hire to test your water to establish water quality prior to and after drilling. Contact the Chief to obtain a copy.

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners and that I have received copies of a Notice and Application for a Well Work Permit on Form WW2-A, and attachments consisting of pages 1 through \_\_\_ including a work order on Form WW2-B, a survey plat, and a soil and erosion plan, all for proposed well work on my surface land as described therein.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials.

FOR EXECUTION BY A NATURAL PERSON

FOR EXECUTION BY A CORPORATION, ETC.

*[Signature]*  
Signature

Date 10-4-08

Print Name

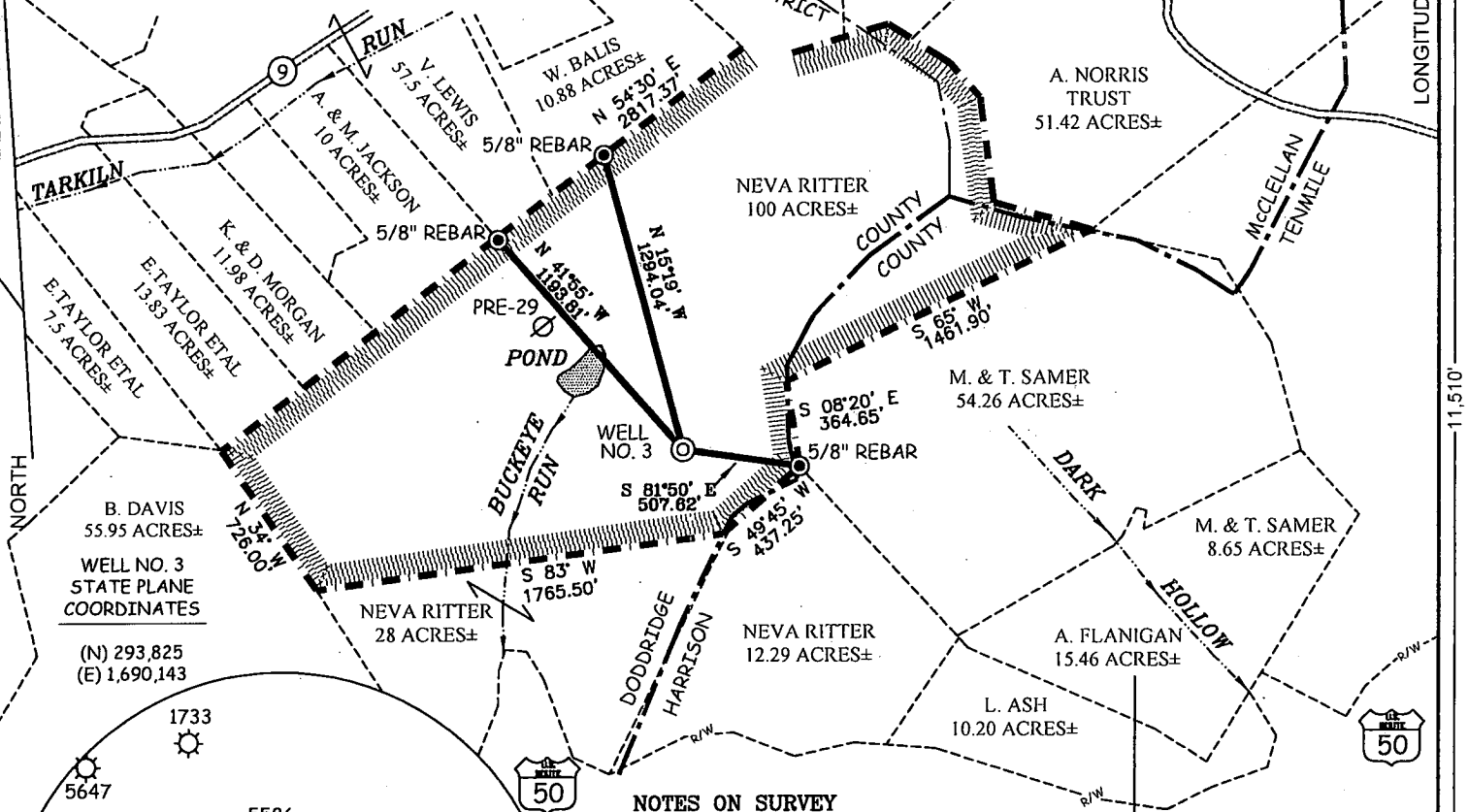
Company  
Name  
By  
Its

Date

Signature

Date

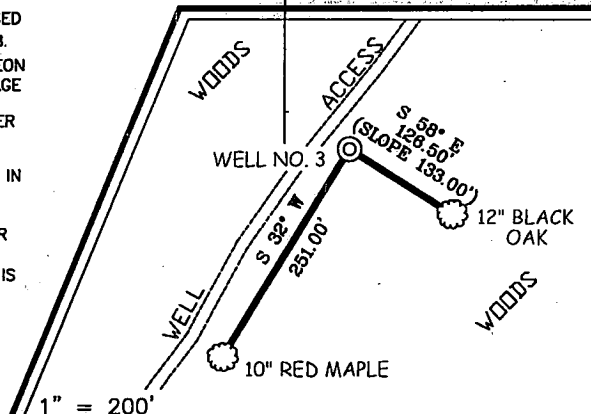
**NEWLON LEASE  
100 OF 144 ACRES±  
WELL NO. 3**



## NOTES ON SURVEY

1. TIES TO WELLS AND CORNERS ARE BASED ON GRID NORTH FOR THE WV STATE PLANE COORDINATE SYSTEM NORTH ZONE NAD '27.
2. TIES TO REFERENCES ARE BASED ON MAGNETIC NORTH 07-29-08.
3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM DEED BOOK 109 PAGE 170.
4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF DODDRIDGE COUNTY IN JULY, 2007.
5. WELL LAT./LONG. (NAD'27) ESTABLISHED BY DGPS(SUBMETER MAPPING GRADE).
6. PROPOSED WELL NEWLON #3 IS OVER 100 FEET FROM LEASE BOUNDARY.

## REFERENCES

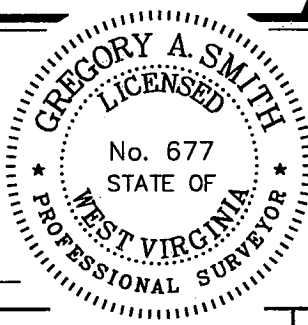


I THE UNDERSIGNED, HEREBY CERTIFY THAT  
THIS PLAT IS CORRECT TO THE BEST OF MY  
KNOWLEDGE AND BELIEF AND SHOWS ALL  
THE INFORMATION REQUIRED BY LAW AND  
THE REGULATIONS ISSUED AND PRESCRIBED  
BY THE DIVISION OF ENVIRONMENTAL PROTECTION.

P.S.  
677

THE DIVISION OF ENVIRONMENTAL PROTECTION

Gregory A. Smith



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

DATE OCTOBER 1, 2008

OPERATORS WELL NO. NEWLON #3

API  
WELL  
NO. **47** — **17** — **05782**  
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY	<u>1 / 200</u>	FILE NO.	<u>6714P3(264-51)</u>
PROVEN SOURCE OF ELEVATION	SCALE		<u>1" = 800'</u>
DGPS (SUBMETER MAPPING GRADE)			

STATE OF WEST VIRGINIA  
DIVISION OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS



WELL TYPE:		LIQUID INJECTION	WASTE DISPOSAL	IF "GAS" PRODUCTION	STORAGE	(NOTE 6)	
OIL	GAS <input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	DEEP <input checked="" type="checkbox"/>	SHALLOW <input type="checkbox"/>

LOCATION :  
ELEVATION 1,338' WATERSHED BUCKEYE RUN  
DISTRICT GRANT COUNTY DODDRIDGE QUADRANGLE SALEM 7.5'

SURFACE OWNER	NEVA RITTER	ACREAGE	100±
ROYALTY OWNER	C. MUTSCHELKNAUS ETAL	LEASE ACREAGE	100 OF 144±

PROPOSED WORK : \_\_\_\_\_ LEASE NO. \_\_\_\_\_

DRILL X CONVERT \_\_\_\_\_ DRILL DEEPER \_\_\_\_\_ REDRILL \_\_\_\_\_ FRACTURE OR STIMULATE X PLUG OFF OLD  
FORMATION \_\_\_\_\_ PERFORATE NEW FORMATION \_\_\_\_\_ PLUG AND ABANDON \_\_\_\_\_ CLEAN OUT AND REPLUG \_\_\_\_\_ OTHER \_\_\_\_\_

PHYSICAL CHANGE IN WELL (SPECIFY)	TARGET FORMATION	MARCELLUS	PERM
	ESTIMATED DEPTH	8,100'	

WELL OPERATOR	<u>HALL DRILLING, LLC</u>	DESIGNATED AGENT	<u>MIKE HALL</u>
ADDRESS	<u>P.O. BOX 249</u>	ADDRESS	<u>P.O. BOX 249</u>
	<u>ELLENBORO, WV 26346</u>		<u>ELLENBORO, WV 26346</u>

**STATE OF WEST VIRGINIA**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS**  
**WELL WORK PERMIT APPLICATION**

1) Well Operator Hall Drilling, LLC Operator ID 33 9 596  
Harrison Tenmile Salem 7.5'  
County District Quadrangle

2) Operator's Well Number: Newlon #4 3) Elevation: 1416'

4) Well Type: (a) Oil \_\_\_\_\_ or Gas x  
 (b) If Gas: Production x / Underground Storage \_\_\_\_\_  
 Deep x / Shallow \_\_\_\_\_

5) Proposed Target Formation(s): Marcellus

6) Proposed Total Depth: 8100 Feet

7) Approximate fresh water strata depths: 402'

8) Approximate salt water depths: 1257'

9) Approximate coal seam depths: 951' - 962'

10) Does land contain coal seams tributary to active mine? No

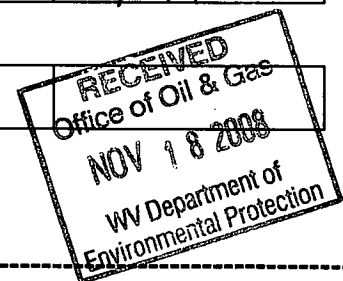
11) Describe proposed well work To Drill and Stimulate a New Well

12) **CASING AND TUBING PROGRAM**

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	<u>Size</u>	<u>Grade</u>	<u>Weight per ft</u>	<u>For Drilling</u>	<u>Left in Well</u>	<u>Fill -up (Cu. Ft.)</u>
Conductor						
Fresh Water	<u>9 5/8"</u>		<u>22 #</u>	<u>432'</u>	<u>432'</u>	<u>CTS</u>
Coal						
Intermediate	<u>7"</u>		<u>16 #</u>	<u>2957'</u>	<u>2957'</u>	<u>CTS</u>
Production	<u>4 1/2"</u>		<u>11.60 II</u>	<u>8100'</u>	<u>8100'</u>	<u>By Rule 35 CSR 4-11.1</u>
Tubing						
Liners						

Packers: Kind \_\_\_\_\_  
 Sizes \_\_\_\_\_  
 Depths Set \_\_\_\_\_

6614317  
900



1) Date: October 3, 2008  
2) Operator's Well Number Newlon #4  
3) API Well No.: 47 - 33 - 05183  
State County Permit

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
NOTICE AND APPLICATION FOR A WELL WORK PERMIT

4) Surface Owner(s) to be served:

(a) Name Neva Ritter W  
Address 151 Valley Street  
Salem, WV 26426

(b) Name \_\_\_\_\_  
Address \_\_\_\_\_

(c) Name \_\_\_\_\_  
Address \_\_\_\_\_

6) Inspector Tim Bennett  
Address 737 Karl Street  
Weston, WV 26452  
Telephone 304-553-1073

5) (a) Coal Operator

Name \_\_\_\_\_  
Address \_\_\_\_\_

(b) Coal Owner(s) with Declaration

Name \_\_\_\_\_  
Address N/A

Name \_\_\_\_\_  
Address \_\_\_\_\_

(c) Coal Lessee with Declaration

Name \_\_\_\_\_  
Address \_\_\_\_\_

TO THE PERSONS NAMED ABOVE TAKE NOTICE THAT:

Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas

OR

X Included is the information required by Chapter 22, Article 6, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22-6 of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through on the above named parties by:

- Personal Service (Affidavit attached)  
X Certified Mail (Postmarked postal receipt attached)  
Publication (Notice of Publication attached)

I have read and understand Chapter 22-6 and 35 CSR 4, and I agree to the terms and conditions of any permit issued under this application.

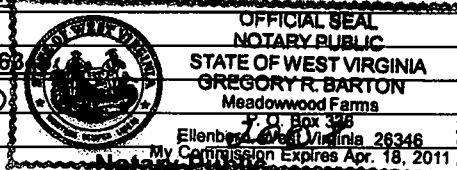
I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator Hall Drilling, LLC  
By: Mike Hall  
Its: Designated Agent  
Address P.O. Box 249  
Ellenboro, WV 26031  
Telephone 304-869-3405

Subscribed and sworn before me this 4 day of Oct

My Commission Expires 4/18/2011





INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE  
Chapter 22, Article 6, Section 8(d)  
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

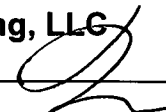
Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that –

- (1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Grantor, lessor, etc.	Grantee, lessee, etc.	Royalty	Book/Page
Glenville State College	Clarence W. Mutschelknaus	1/8 <sup>th</sup>	220 / 478
Clarence W. Mutschelknaus	Bluestone Energy Partners	W.I.	220 / 644



Well  
Operator:  
By:  
Its:

Hall Drilling, LLC  
  
Mike Hall  
Designated Agent

West Virginia Department of Environmental Protection  
Office of Oil and Gas

NOTICE TO SURFACE OWNERS

The well operator named below is preparing to file for a permit from the state to drill a new well. Before a well work permit can be filed with the Chief of the Office of Oil and Gas, the well operator is required to have given notice of the right to request water well or spring analytical testing. This notice shall be given to the owners or occupants of land which have a water well or spring being utilized for human consumption, domestic animals, or other general use and which is located within 1000 feet of the proposed well site.

With this form, the operator is giving you notice of your right to request analytical testing. The operator is required to sample and analyze the water wells or springs of all owners or occupants who request it. Therefore, if you wish to have your water well or spring tested, contact the operator named below.

All sampling shall be completed prior to drilling. Within thirty (30) days of the receipt of such sample analyses the operator shall submit the results to the Chief of the Office of Oil and Gas and to the owners or occupants who may have requested them.

If no water well or spring is located within 1000 feet, the Chief may require the operator to sample and analyze water from a water well or spring within 2000 feet of the proposed well site.

Be advised, you have the right to sample and analyze any water supply at your own expense.

The laboratory used by the operator to analyze the samples will be approved by the Chief. The operator named below has decided to use the following laboratory to analyze the water samples:

X Contractor Name Smith Land Surveying, Inc.  
           Well operator's private laboratory

Well Operator Hall Drilling, LLC  
Address P.O. Box 249  
Ellenboro, WV 26346  
Telephone 304-869-3405



FOR OPERATOR'S USE ONLY: Below, or on an attached page, list those persons which were given this notice. Place an asterisk beside the one(s) that contacted you and requested sampling and analyses. If there were no requests made, indicate by underling which one you have selected to sample and analyze. If there are no water wells or springs within 1000 feet of the proposed site please indicate such.

NOTE: There appears to be no potable water sources within 1,000', therefore no tests will be run.

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION,  
OFFICE OF OIL AND GAS

CONSTRUCTION AND RECLAMATION PLAN AND SITE REGISTRATION APPLICATION FORM  
GENERAL PERMIT FOR OIL AND GAS PIT WASTE DISCHARGE

Operator Name Hall Drilling, LLC OP Code \_\_\_\_\_

Watershed Buckeye Run & Dark Hollow Quadrangle Salem 7.5'

Elevation 1416' County Harrison District Tenmile

Description of anticipated Pit Waste: Drill Water, Frac Blow Back & Various Formation Cuttings

Will a synthetic liner be used in the pit? Yes

Proposed Disposal Method For Treated Pit Wastes:

- ☒ Land Application  
☐ Underground Injection ( UIC Permit Number \_\_\_\_\_ )  
☐ Reuse (at API Number \_\_\_\_\_ )  
☐ Off Site Disposal (Supply form WW-9 for disposal location)  
☐ Other (Explain \_\_\_\_\_ )

Proposed Work For Which Pit Will Be Used:

- ☒ Drilling ☒ Swabbing  
☐ Workover ☐ Plugging  
☐ Other (Explain \_\_\_\_\_ )

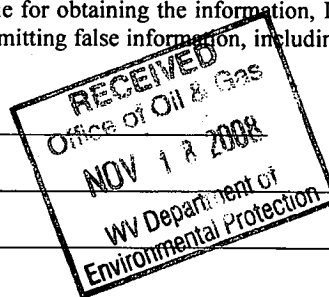
I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

Company Official Signature \_\_\_\_\_

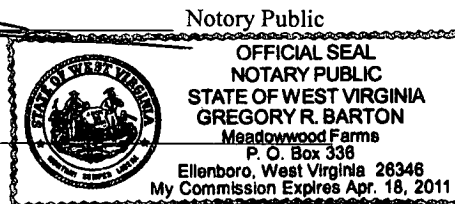
Company Official (Typed Name) Mike Hall

Company Official Title Designated Agent

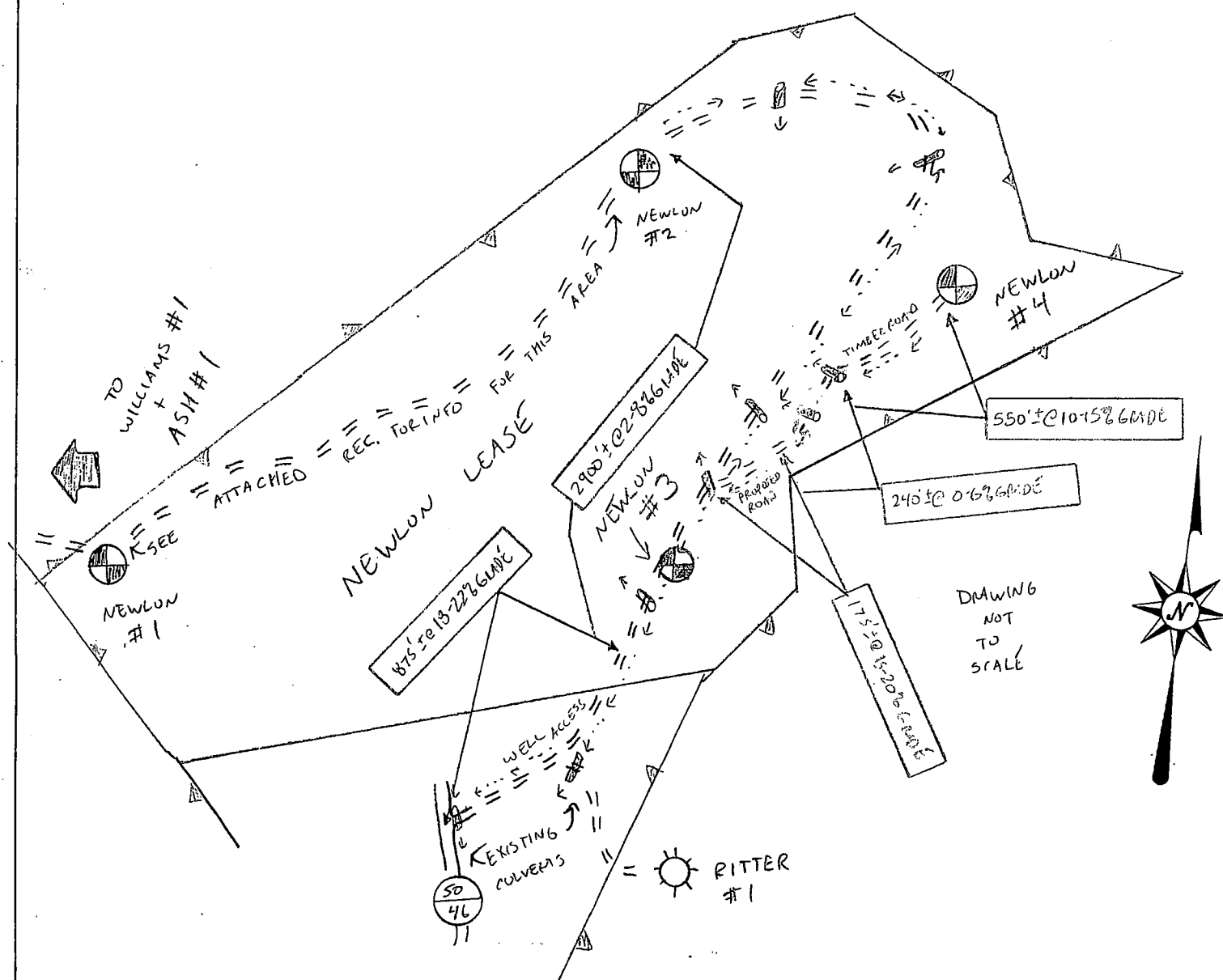


Subscribed and sworn before me this 7 day of Oct, 2008

My commission expires 4/18/2011



## Newlon Lease



= CULVERT TO BE INSTALLED  
 12 INCH MINIMUM.

SEE ATTACHED SHEET FOR  
 DETAIL SKETCHES OF  
 NEWLON #'S 3 + 4.

ALL ROADS SHOWN HEREON ARE EXISTING UNLESS OTHERWISE NOTED AND SHALL BE MAINTAINED IN ACCORDANCE WITH WV D.E.P. OIL AND GAS BMP MANUAL ENTRANCES AT COUNTY/STATE ROADS SHALL BE MAINTAINED IN ACCORDANCE WITH WV D.O.T. REGULATIONS. SEPARATE PERMITS MAY BE REQUIRED BY THE D.O.T.

SEDIMENT BASINS (TRAPS) AND APPROPRIATE EROSION CONTROL BARRIERS ARE TO BE CONSTRUCTED AT ALL CULVERT AND CROSS DRAIN INLETS AND OUTLETS AS REQUIRED IN THE WV D.E.P. OIL AND GAS BMP MANUAL. FIELD CONDITIONS (ROCK OUTCROPS AND BEDROCK) MAY PROHIBIT INLET TRAPS BEING INSTALLED. WHEN THESE CONDITIONS EXIST ADDITIONAL EROSION CONTROL MEASURES SHALL BE EVALUATED AND UTILIZED AS NEEDED.

EARTHWORK CONTRACTORS ARE RESPONSIBLE FOR NOTIFICATION TO THE OPERATOR AND INSPECTOR PRIOR TO ANY DEVIATION FROM THIS PLAN.

TEMPORARY SEED & MULCH ALL SLOPES AFTER CONSTRUCTION OF LOCATION.

CUT & STACK ALL MARKETABLE TIMBER.

STACK BRUSH BELOW LOCATION FOR SEDIMENT CONTROL.



SMITH LAND SURVEYING, INC.

P.O. BOX 150, GLENVILLE, WV 26351

Phone (304) 462-5634 Fax 462-5656 email: sls@rtol.net

REVISED BY C.P.M.

10/1/08

6894

DRAWN BY C.P.M.

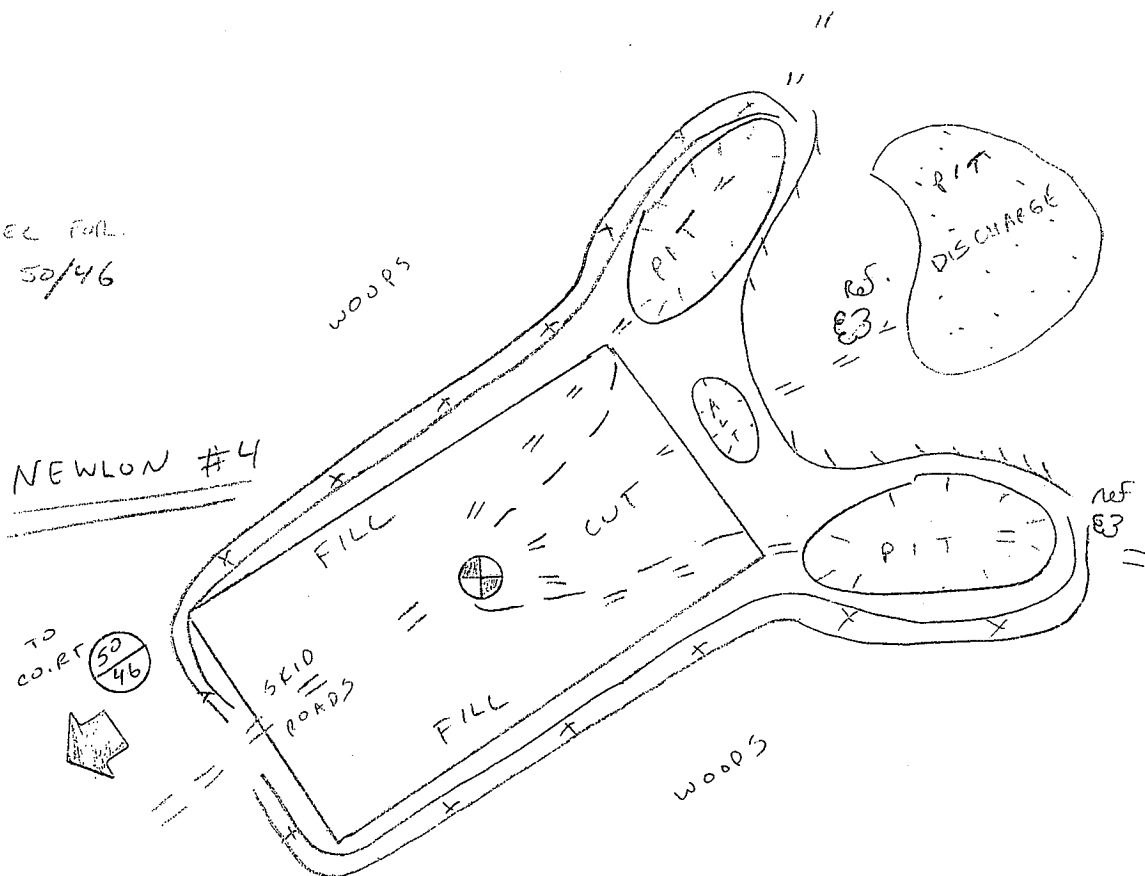
DATE

7/22/08

FILE NO. 6719

# Newlon Lease Well No. 4

SEE ATTACHED REL FUL.  
INFO TO CO. RT 50/46



NORTH  
(DRAWING NOT TO SCALE)

ALL ROADS SHOWN HEREON ARE EXISTING UNLESS OTHERWISE NOTED AND SHALL BE MAINTAINED IN ACCORDANCE WITH WV D.E.P. OIL AND GAS BMP MANUAL ENTRANCES AT COUNTY/STATE ROADS SHALL BE MAINTAINED IN ACCORDANCE WITH WV D.O.T. REGULATIONS. SEPARATE PERMITS MAY BE REQUIRED BY THE D.O.T.

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CUT & STACK ALL MARKETABLE TIMBER.

STACK BRUSH BELOW LOCATION FOR SEDIMENT CONTROL.



SMITH LAND SURVEYING, INC.

P.O. BOX 150, GLENVILLE, WV 26351

Phone (304) 462-5634 Fax 462-5656 email: sls@rtol.net

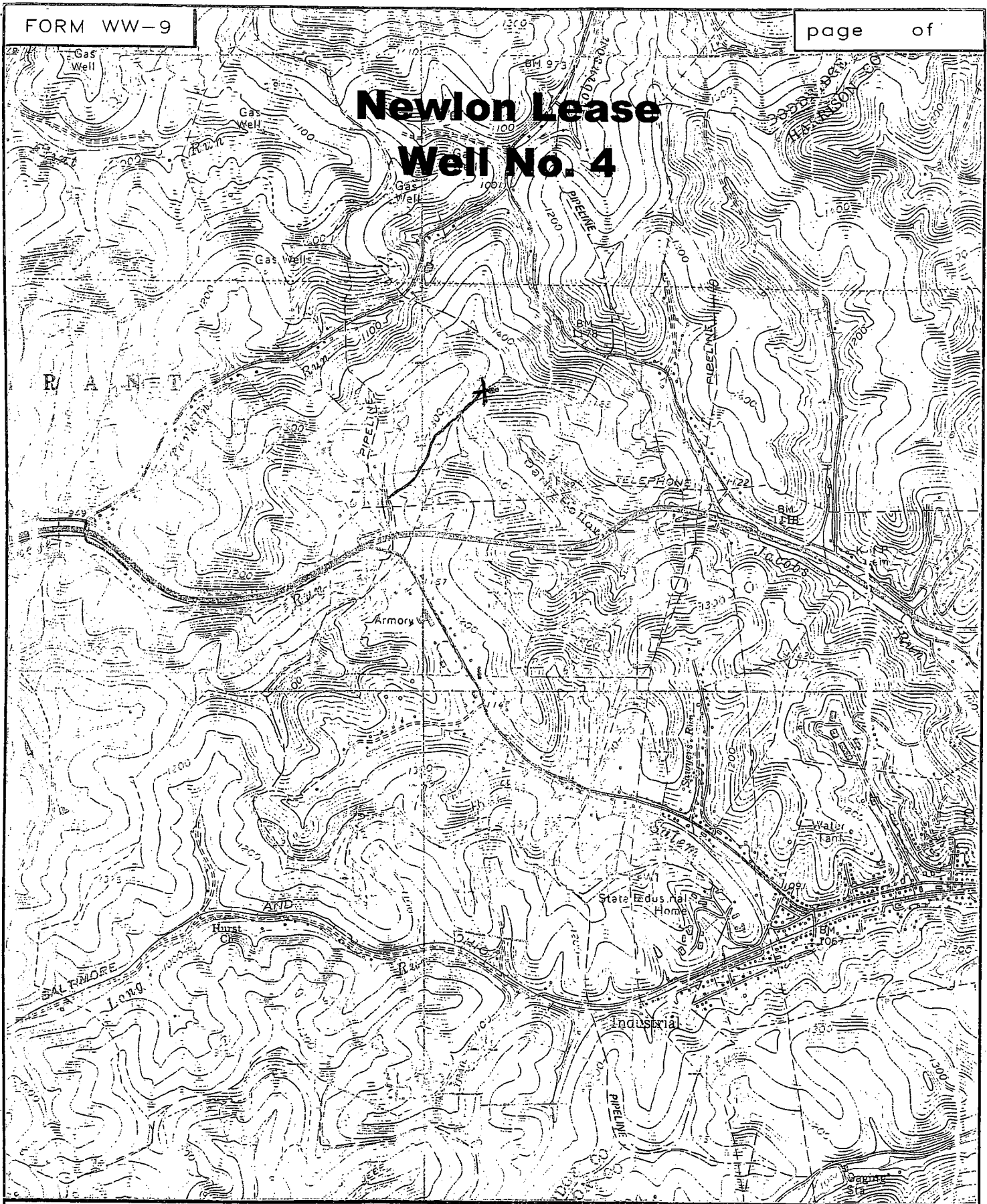
DRAWN BY C.P.M. DATE 7/29/03 FILE NO. 6714

33-05183

FORM WW-9

page of

# Newlon Lease Well No. 4



**SLS**

SMITH LAND SURVEYING  
P.O. BOX 150 GLENVILLE, WV. 26351

TOPO SECTION OF SALEM 7.5'

FILE NO. 6714 DATE 10/1/08 SCALE 1"=2000'

## SURFACE OWNER WAIVER

County Harrison

Operator

Hall Drilling, LLC

Operator well number

Newlon #4

INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW2-A

The well operator named on page WW2A is applying for a permit from the State to do oil or gas well work. (Note: If the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22 of the West Virginia Code. Well work permits are valid for 24 months. If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator and the Office of Oil and Gas.

NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.

WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:

Chief, Office of Oil and Gas  
Department of Environmental Protection  
601 57<sup>th</sup> St. SE  
Charleston, Wv 25304  
(304) 926-0450

Time Limits and methods for filing comments. The law requires these materials to be served on or before the date the operator files his Application. You have FIFTEEN (15) DAYS after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

Comments must be in writing. Your comments must include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

The Chief has the power to deny or condition a well work permit based on comments on the following grounds:

- 1) The proposed well work will constitute a hazard to the safety of persons;
- 2) The soil erosion and sediment control plan is not adequate or effective;
- 3) Damage would occur to publicly owned lands or resources;
- 4) The proposed well work fails to protect fresh water sources or supplies;
- 5) The applicant has committed a substantial violation of a previous permit or a substantial violation of one or more of the rules promulgated under Chapter 22, and has failed to abate or seek review of the violation..."

If you want a copy of the permit as it is issued or a copy of the order denying the permit, you should request a copy from the Chief.

List of Water Testing Laboratories. The Office maintains a list of water testing laboratories which you can hire to test your water to establish water quality prior to and after drilling. Contact the Chief to obtain a copy.

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners and that I have received copies of a Notice and Application for a Well Work Permit on Form WW2-A, and attachments consisting of pages 1 through \_\_\_ including a work order on Form WW2-B, a survey plat, and a soil and erosion plan, all for proposed well work on my surface land as described therein.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials.

FOR EXECUTION BY A NATURAL PERSON

FOR EXECUTION BY A CORPORATION, ETC.

*[Signature]*  
Signature

Date 10-1-08

Print Name

Company

Name

By

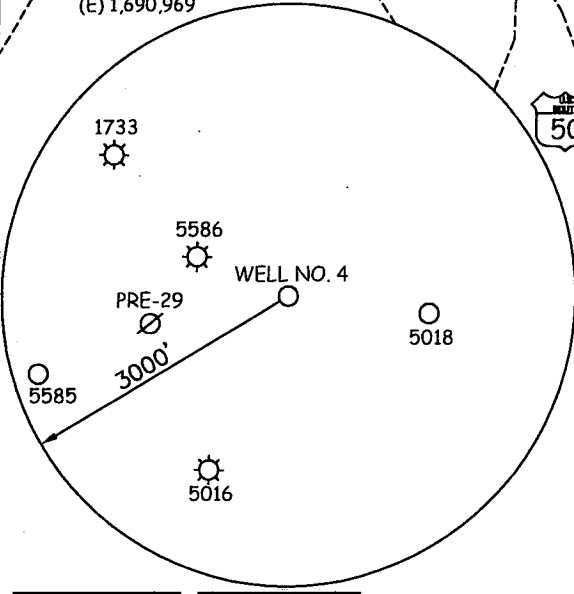
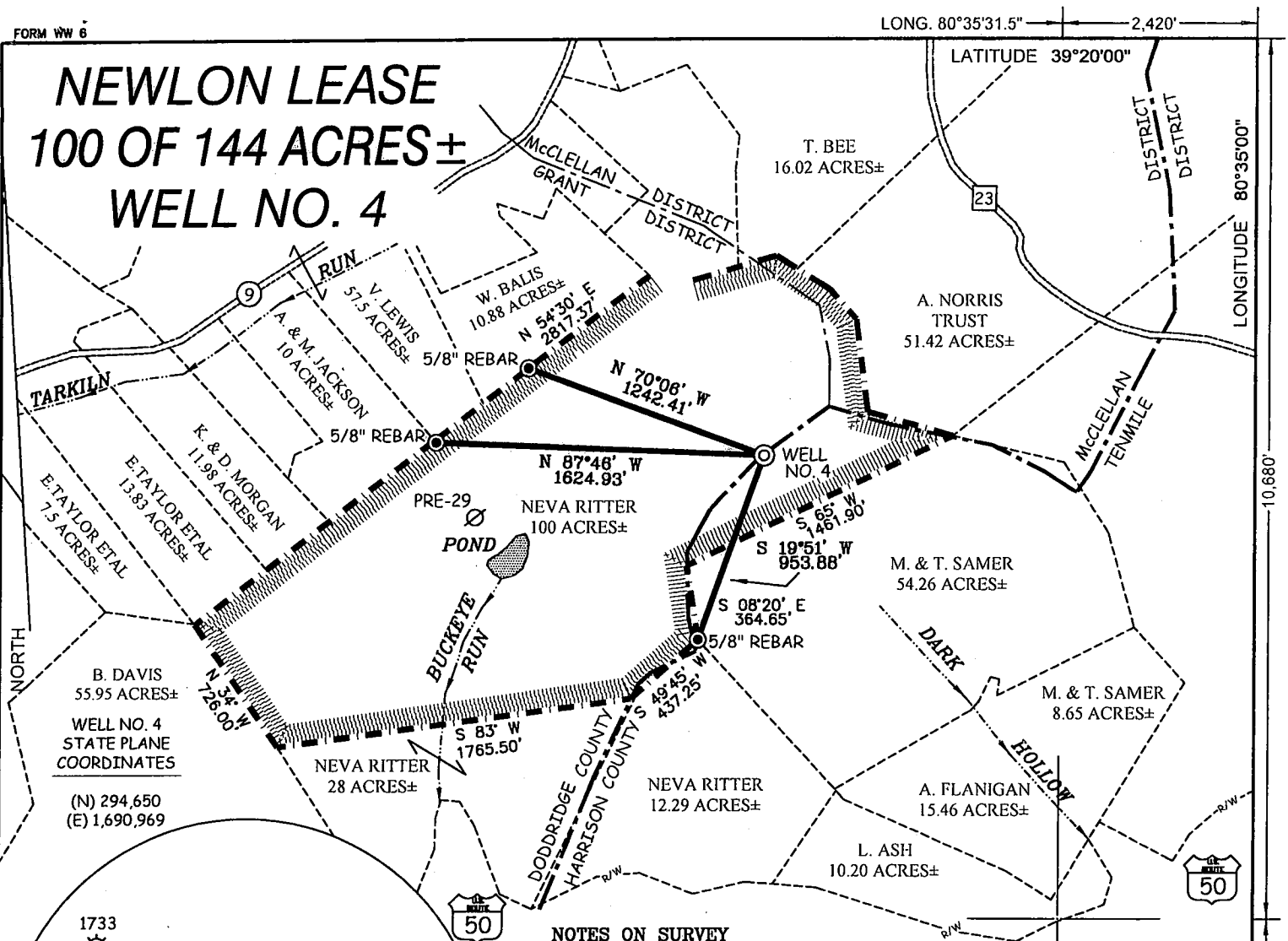
Its

Date

Signature

Date

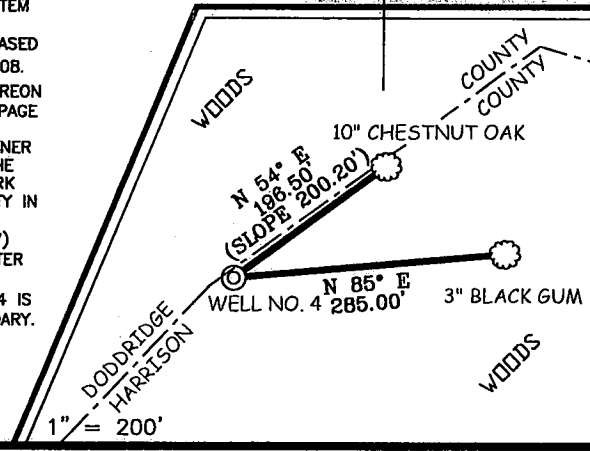
# NEWLON LEASE 100 OF 144 ACRES± WELL NO. 4



## NOTES ON SURVEY

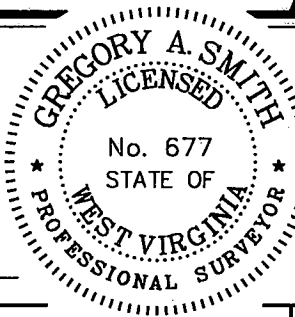
1. TIES TO WELLS AND CORNERS ARE BASED ON GRID NORTH FOR THE WV STATE PLANE COORDINATE SYSTEM NORTH ZONE NAD '27.
2. TIES TO REFERENCES ARE BASED ON MAGNETIC NORTH 07-29-08.
3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM DEED BOOK 109 PAGE 170.
4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF DODDRIDGE COUNTY IN JULY, 2007.
5. WELL LAT./LONG. (NAD'27) ESTABLISHED BY DGPS(SUBMETER MAPPING GRADE).
6. PROPOSED WELL NEWLON #4 IS OVER 100' FROM LEASE BOUNDARY.

## REFERENCES



I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DIVISION OF ENVIRONMENTAL PROTECTION.

P.S.  
677



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

DATE OCTOBER 1, 2008

OPERATORS WELL NO. NEWLON #4

API WELL NO. 47 - 33 - 05183  
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1/200 FILE NO. 6714P4(264-50)  
PROVEN SOURCE OF ELEVATION DGPS (SUBMETER MAPPING GRADE) SCALE 1" = 800'

STATE OF WEST VIRGINIA  
DIVISION OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS



WELL TYPE: OIL \_\_\_\_\_ GAS ☒ LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_ IF "GAS" PRODUCTION ☒ STORAGE \_\_\_\_\_ (NOTE 6) DEEP ☒ SHALLOW \_\_\_\_\_  
LOCATION: ELEVATION 1,416' WATERSHED BUCKEYE RUN & DARK HOLLOW  
DISTRICT TENMILE COUNTY HARRISON QUADRANGLE SALEM 7.5'  
SURFACE OWNER NEVA RITTER ACREAGE 100±  
ROYALTY OWNER C. MUTSCHELKNAUS ETAL LEASE ACREAGE 100 OF 144±  
PROPOSED WORK: LEASE NO. \_\_\_\_\_  
DRILL ☒ CONVERT \_\_\_\_\_ DRILL DEEPER \_\_\_\_\_ REDRILL \_\_\_\_\_ FRACTURE OR STIMULATE ☒ PLUG OFF OLD  
FORMATION \_\_\_\_\_ PERFORATE NEW FORMATION \_\_\_\_\_ PLUG AND ABANDON \_\_\_\_\_ CLEAN OUT AND REPLUG \_\_\_\_\_ OTHER \_\_\_\_\_  
PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_ TARGET FORMATION MARCELLUS  
ESTIMATED DEPTH 8,100'

WELL OPERATOR HALL DRILLING, LLC  
ADDRESS P.O. BOX 249  
ELLENBORO, WV 26346

DESIGNATED AGENT MIKE HALL  
ADDRESS P.O. BOX 249  
ELLENBORO, WV 26346

COUNTY NAME

PERMIT



**STATE OF WEST VIRGINIA**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS**  
**WELL WORK PERMIT APPLICATION**

1) Well Operator Hall Drilling, LLC Operator ID 17 Doddridge 3 Grant 596 Salem 7.5'  
County District Quadrangle

2) Operator's Well Number: Newlon #6 3) Elevation: 1252'

4) Well Type: (a) Oil          or Gas   x    
(b) If Gas: Production   x   / Underground Storage           
Deep   x   / Shallow         

5) Proposed Target Formation(s): Marcellus

6) Proposed Total Depth: 8100 Feet

7) Approximate fresh water strata depths: 231'

8) Approximate salt water depths: 1093'

9) Approximate coal seam depths: 793' - 798'

10) Does land contain coal seams tributary to active mine? No

11) Describe proposed well work To Drill and Stimulate a New Well

12) **CASING AND TUBING PROGRAM**

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft	For Drilling	Left in Well	Fill -up (Cu. Ft.)
Conductor						
Fresh Water	9 5/8"		22 #	261'	261'	OK DKS 11-3-08 CTS
Coal						
Intermediate	7"		16 #	2965'	2965'	CTS
Production	4 1/2"		11.60 #	8100'	8100'	by Rule 38 CSR 4-11-1
Tubing						
Liners						

Packers: Kind  
          Sizes  
          Depths Set

OK  
014315  
\$900

**RECEIVED**  
Office of Oil & Gas  
NOV 17 2008  
Department of  
Environmental Protection

1) Date: October 3, 2008  
2) Operator's Well Number Newlon #6  
3) API Well No.: 47 - 17 - 05780  
State County Permit

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
NOTICE AND APPLICATION FOR A WELL WORK PERMIT

4) Surface Owner(s) to be served:

(a) Name Neva Ritter  
Address 151 Valley Street  
Salem, WV 26426

(b) Name \_\_\_\_\_  
Address \_\_\_\_\_

(c) Name \_\_\_\_\_  
Address \_\_\_\_\_

6) Inspector David Scranage  
Address Rt. 2 Box 11  
Lost Creek, WV 26385  
Telephone 304-380-3749

5) (a) Coal Operator

Name \_\_\_\_\_  
Address \_\_\_\_\_

(b) Coal Owner(s) with Declaration

Name N/A  
Address \_\_\_\_\_

Name \_\_\_\_\_  
Address \_\_\_\_\_

(c) Coal Lessee with Declaration

Name \_\_\_\_\_  
Address \_\_\_\_\_

TO THE PERSONS NAMED ABOVE TAKE NOTICE THAT:

Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas

OR

X Included is the information required by Chapter 22, Article 6, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22-6 of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through \_\_\_\_\_ on the above named parties by:

- Personal Service (Affidavit attached)  
X Certified Mail (Postmarked postal receipt attached)  
       Publication (Notice of Publication attached)

I have read and understand Chapter 22-6 and 35 CSR 4, and I agree to the terms and conditions of any permit issued under this application.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate and complete.

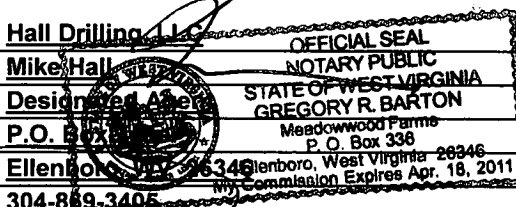
I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator Hall Drilling, LLC  
By: Mike Hall  
Its: Designated Agent  
Address P.O. Box 336  
Ellenboro, WV 26346  
Telephone 304-869-3405

Subscribed and sworn before me this 7 day of Oct, 2008  
My Commission Expires 4/18/2011  
Notary Public

RECEIVED  
Office of Oil & Gas  
Nov 17 2008

WV Department of  
Environmental Protection



INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE  
Chapter 22, Article 6, Section 8(d)  
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that –

- (1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Grantor, lessor, etc.	Grantee, lessee, etc.	Royalty	Book/Page
Glenville State College	Clarence W. Mutschelknaus	1/8 <sup>th</sup>	220   478
Clarence W. Mutschelknaus	Bluestone Energy Partners	W.I.	220/644

RECEIVED  
Office of Oil & Gas  
NOV 17 2008  
WV Department of  
Environmental Protection

Well  
Operator:  
By:  
Its:

Hall Drilling, LLC

Mike Hall  
Designated Agent

West Virginia Department of Environmental Protection  
Office of Oil and Gas

NOTICE TO SURFACE OWNERS

The well operator named below is preparing to file for a permit from the state to drill a new well. Before a well work permit can be filed with the Chief of the Office of Oil and Gas, the well operator is required to have given notice of the right to request water well or spring analytical testing. This notice shall be given to the owners or occupants of land which have a water well or spring being utilized for human consumption, domestic animals, or other general use and which is located within 1000 feet of the proposed well site.

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Be advised, you have the right to sample and analyze any water supply at your own expense.

The laboratory used by the operator to analyze the samples will be approved by the Chief. The operator named below has decided to use the following laboratory to analyze the water samples:

☒ Contractor Name Smith Land Surveying, Inc.  
☐ Well operator's private laboratory

Well Operator Hall Drilling, LLC  
Address P.O. Box 249  
Ellenboro, WV 26346  
Telephone 304-869-3405

RECEIVED  
Office of Oil & Gas  
NOV 17 2008

FOR OPERATOR'S USE ONLY: Below, or on an attached page, list those persons which were given this notice. Place an asterisk beside the one(s) that contacted you and requested sampling and analyses. If there were no requests made, indicate by underlining which one you have selected to sample and analyze. If there are no water wells or springs within 1000 feet of the proposed site please indicate such.

NOTE: There appears to be 2± potable water sources within 1,000', therefore tests will be offered and samples taken as required.



SMITH LAND SURVEYING, INC.

P.O. BOX 150, GLENVILLE, WV 26351

17-5780

ENVIRONMENTAL DIVISION

(304) 482-5834 • FAX 482-5856

## WELL INFORMATION AND POTENTIAL WATER WELL SAMPLE DATA SHEET

**OPERATOR:** Hall Drilling.

**LEASE NAME AND NUMBER:** Newlon #6

### COMMENTS

The initial mapping review of the area surrounding the proposed well site revealed the below listed surface owner(s) that were potentially utilizing groundwater (potable) for Human Consumption or other purposes within 1000' of the proposed well site. The following landowners have been notified of the opportunity to request a water sample should it be necessary.

\*Please note that the following information is subject to change upon field inspection.

### INDIVIDUAL CONTACTED OR NOTIFIED

**Owner/Occupant:** Neva A. Ritter

**Address:** 151 Valley Street, Salem, WV. 26426

**Letter/Notice Date:** \_\_\_\_\_

**Comments:** Par # 21

**Owner/Occupant:** Darlana Davis

**Address:** Rt 2 Box 69, Salem, WV. 26426

**Letter/Notice Date:** \_\_\_\_\_

**Comments:** Par # 37

**Owner/Occupant:** \_\_\_\_\_

**Address:** \_\_\_\_\_

**Letter/Notice Date:** \_\_\_\_\_

**Comments:** \_\_\_\_\_

**Owner/Occupant:** \_\_\_\_\_

**Address:** \_\_\_\_\_

**Letter/Notice Date:** \_\_\_\_\_

**Comments:** \_\_\_\_\_

**Owner/Occupant:** \_\_\_\_\_

**Address:** \_\_\_\_\_

**Letter/Notice Date:** \_\_\_\_\_

**Comments:** \_\_\_\_\_

RECEIVED  
Office of Oil & Gas  
NOV 17 2004  
WV Department of  
Environmental Protection

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION,  
OFFICE OF OIL AND GAS

CONSTRUCTION AND RECLAMATION PLAN AND SITE REGISTRATION APPLICATION FORM  
GENERAL PERMIT FOR OIL AND GAS PIT WASTE DISCHARGE

Operator Name Hall Drilling, LLC OP Code \_\_\_\_\_

Watershed Buckeye Run Quadrangle Salem 7.5'

Elevation 1252' County Doddridge District Grant

Description of anticipated Pit Waste: Drill Water, Frac Blow Back & Various Formation Cuttings

Will a synthetic liner be used in the pit? Yes

Proposed Disposal Method For Treated Pit Wastes:

- ☒ Land Application  
☐ Underground Injection ( UIC Permit Number \_\_\_\_\_ )  
☐ Reuse (at API Number \_\_\_\_\_ )  
☐ Off Site Disposal (Supply form WW-9 for disposal location)  
☐ Other (Explain \_\_\_\_\_ )

Proposed Work For Which Pit Will Be Used:

- ☒ Drilling ☒ Swabbing  
☐ Workover ☐ Plugging  
☐ Other (Explain \_\_\_\_\_ )

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

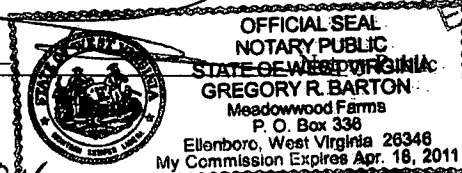
Company Official Signature \_\_\_\_\_

Company Official (Typed Name) Mike Hall

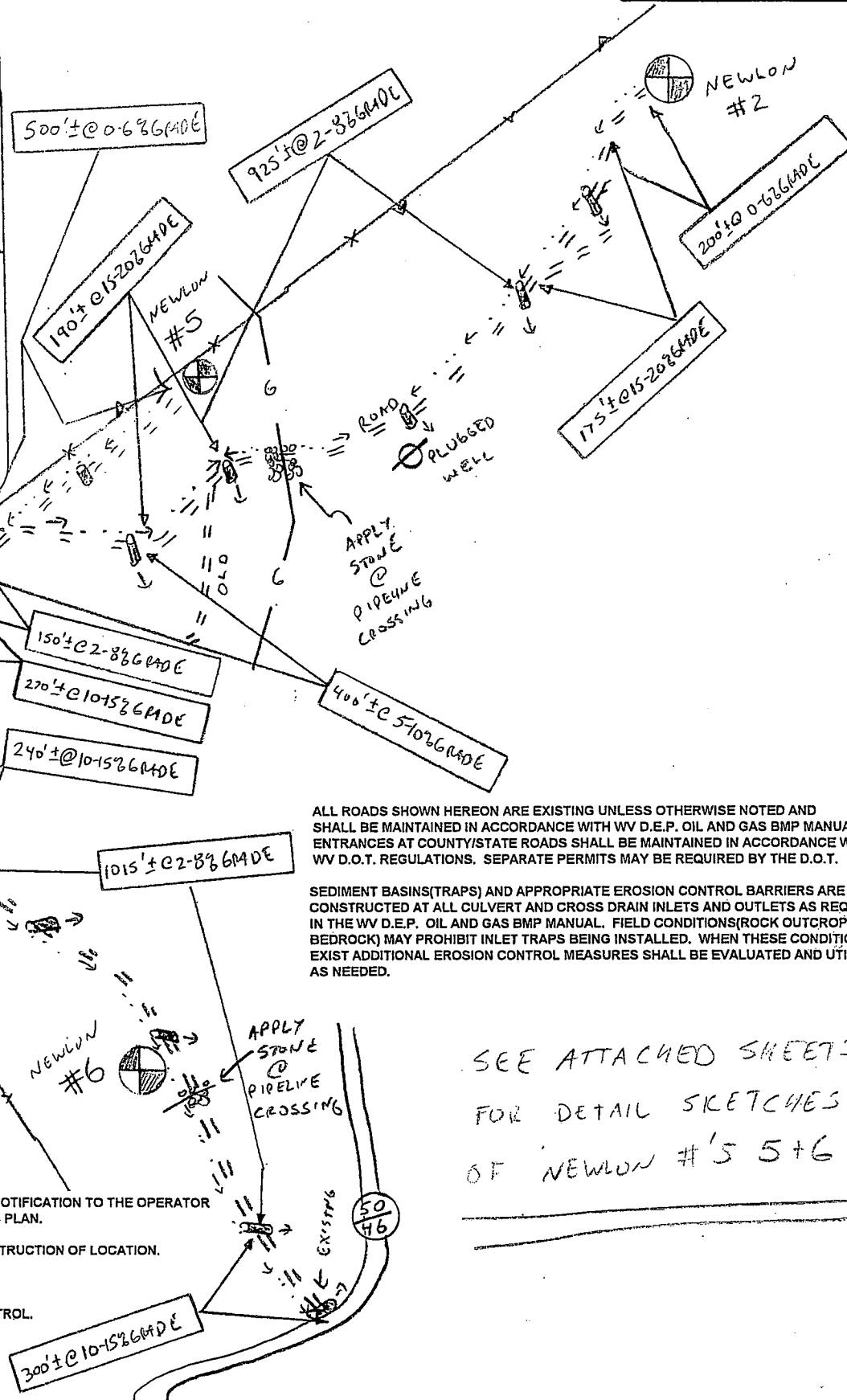
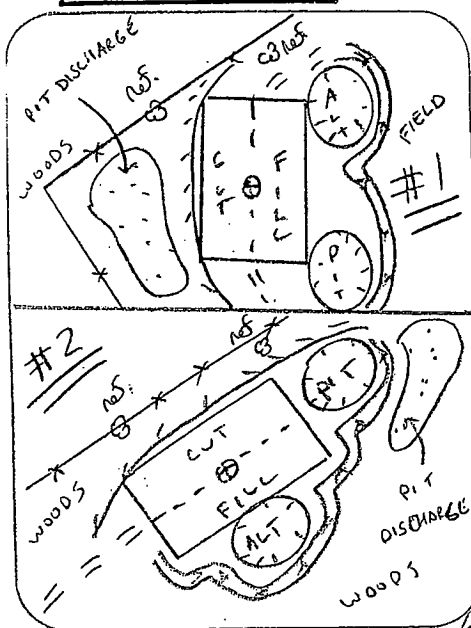
Company Official Title Designated Agent

Subscribed and sworn before me this 17 day of Oct, 20 08

My commission expires 4/18/2011



RECEIVED  
Office of Oil & Gas  
NOV 17 2008  
WV Department of  
Environmental Protection



ALL ROADS SHOWN HEREON ARE EXISTING UNLESS OTHERWISE NOTED AND SHALL BE MAINTAINED IN ACCORDANCE WITH WV D.E.P. OIL AND GAS BMP MANUAL ENTRANCES AT COUNTY/STATE ROADS SHALL BE MAINTAINED IN ACCORDANCE WITH WV D.O.T. REGULATIONS. SEPARATE PERMITS MAY BE REQUIRED BY THE D.O.T.

SEDIMENT BASINS (TRAPS) AND APPROPRIATE EROSION CONTROL BARRIERS ARE TO BE CONSTRUCTED AT ALL CULVERT AND CROSS DRAIN INLETS AND OUTLETS AS REQUIRED IN THE WV D.E.P. OIL AND GAS BMP MANUAL. FIELD CONDITIONS (ROCK OUTCROPS AND BEDROCK) MAY PROHIBIT INLET TRAPS BEING INSTALLED. WHEN THESE CONDITIONS EXIST ADDITIONAL EROSION CONTROL MEASURES SHALL BE EVALUATED AND UTILIZED AS NEEDED.

Ø = CULVERT TUBE  
↓ INSTALLED AT A  
12" MINIMUM  
(UNLESS NOTED  
OTHERWISE).

EARTHWORK CONTRACTORS ARE RESPONSIBLE FOR NOTIFICATION TO THE OPERATOR AND INSPECTOR PRIOR TO ANY DEVIATION FROM THIS PLAN.

TEMPORARY SEED & MULCH ALL SLOPES AFTER CONSTRUCTION OF LOCATION.

CUT & STACK ALL MARKETABLE TIMBER.

STACK BRUSH BELOW LOCATION FOR SEDIMENT CONTROL.

SEE ATTACHED SHEETS  
FOR DETAIL SKETCHES  
OF NEWLON #'S 5+6



SMITH LAND SURVEYING, INC.

P.O. BOX 150, GLENVILLE, WV 26351

Phone (304) 462-5656 or 462-5634

REVISED BY C.P.M.

10/1/08

DRAWN BY C.P.M.

DATE 1/14/09

FILE NO. 6714

Well No. 6

PIT DISCHARGE

WOODS

FIELD

CUT

OK OKS 11-3-00

FILL

NEWLOW #6

CUT MARKER III

150

130


APPLY STONE @ GASLINE CROSSING

TO CO. RT.

50

41

SEE ATTACHED REC  
FOR INFO TO GO  
BY 5/10

NORTH 

(DRAWING NOT TO SCALE)

ALL ROADS SHOWN HEREON ARE EXISTING UNLESS OTHERWISE NOTED AND SHALL BE MAINTAINED IN ACCORDANCE WITH WV D.E.P. OIL AND GAS BMP MANUAL ENTRANCES AT COUNTY/STATE ROADS SHALL BE MAINTAINED IN ACCORDANCE WITH WV D.O.T. REGULATIONS. SEPARATE PERMITS MAY BE REQUIRED BY THE D.O.T.

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**CUT & STACK ALL MARKETABLE TIMBER.**

STACK BRUSH BELOW LOCATION FOR SEDIMENT CONTROL.



**SMITH LAND SURVEYING, INC.**

P.O. BOX 150, GLENVILLE, WV 26351

Phone (304) 462-5634 Fax 462-5656 email: [sls@rtol.net](mailto:sls@rtol.net)

DRAWN BY C.P.M. DATE 7/29/08 FILE NO. 6714

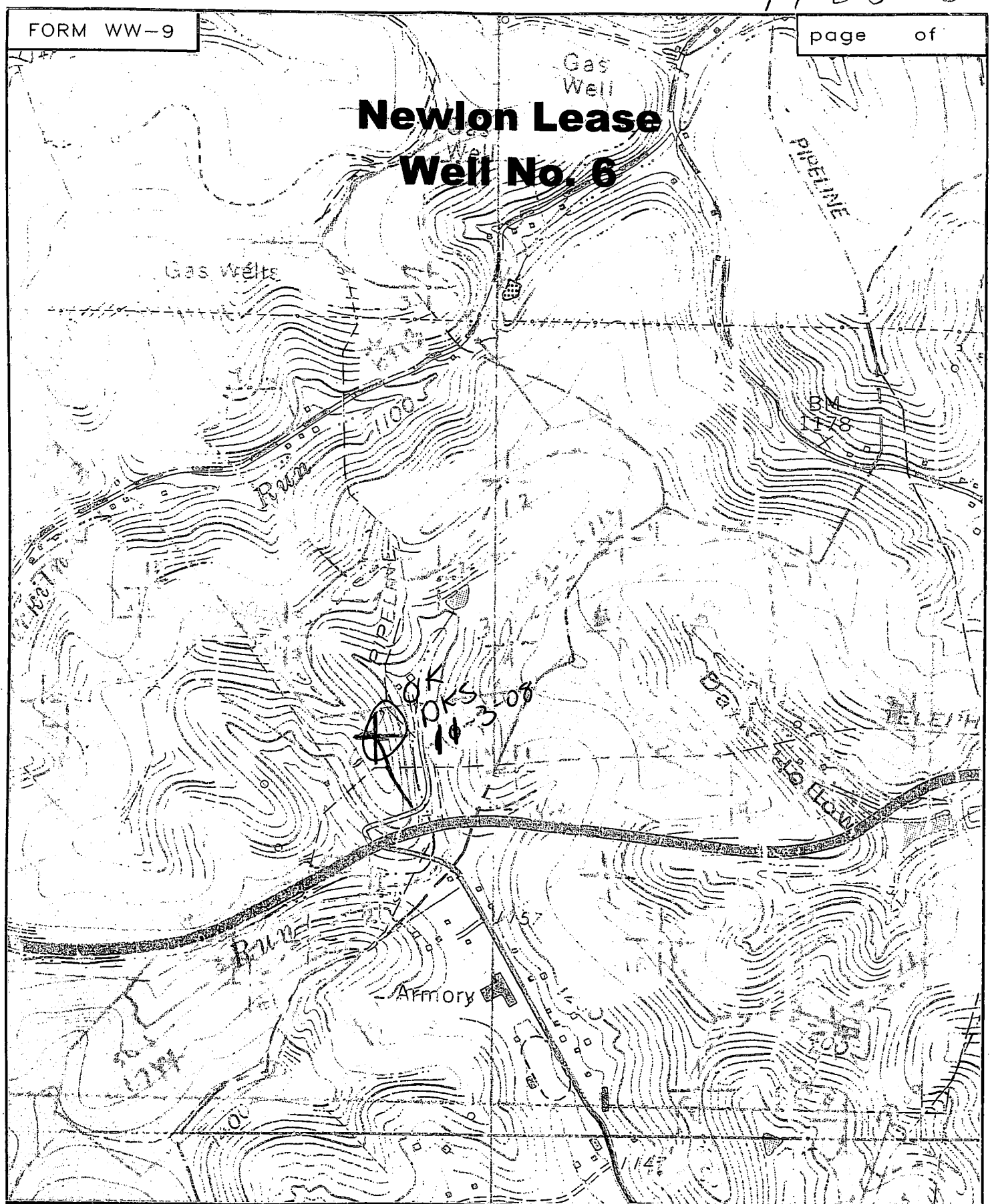


17-05780

FORM WW-9

page of

# Newlon Lease Well No. 6



SMITH LAND SURVEYING  
P.O. BOX 150 GLENVILLE, WV. 26351

TOPO SECTION OF SALEM 7.5'

FILE NO. 6714 DATE 10/1/08 SCALE 1"=1000'

## SURFACE OWNER WAIVER

County **Doddridge**

Operator

Hall Drilling, LLC

Operator well number

Newlon #6INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW2-A

The well operator named on page WW2A is applying for a permit from the State to do oil or gas well work. (Note: If the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22 of the West Virginia Code. Well work permits are valid for 24 months. If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator and the Office of Oil and Gas.

NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.

WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:

Chief, Office of Oil and Gas  
Department of Environmental Protection  
601 57<sup>th</sup> St. SE  
Charleston, Wv 25304  
(304) 926-0450

Time Limits and methods for filing comments. The law requires these materials to be served on or before the date the operator files his Application. You have FIFTEEN (15) DAYS after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

Comments must be in writing. Your comments must include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

The Chief has the power to deny or condition a well work permit based on comments on the following grounds:

- 1) The proposed well work will constitute a hazard to the safety of persons.
- 2) The soil erosion and sediment control plan is not adequate or effective;
- 3) Damage would occur to publicly owned lands or resources;
- 4) The proposed well work fails to protect fresh water sources or supplies;
- 5) The applicant has committed a substantial violation of a previous permit or a substantial violation of one or more of the rules promulgated under Chapter 22, and has failed to abate or seek review of the violation..."

If you want a copy of the permit as it is issued or a copy of the order denying the permit you should request a copy from the Chief.

List of Water Testing Laboratories. The Office maintains a list of water testing laboratories which you can hire to test your water to establish water quality prior to and after drilling. Contact the Chief to obtain a copy.

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners and that I have received copies of a Notice and Application for a Well Work Permit on Form WW2-A, and attachments consisting of pages 1 through \_\_\_ including a work order on Form WW2-B, a survey plat, and a soil and erosion plan, all for proposed well work on my surface land as described therein.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials.

FOR EXECUTION BY A NATURAL PERSON

FOR EXECUTION BY A CORPORATION, ETC.



Signature

Date 10-4-08

Print Name

Company

Name

By

Its

Date

Signature

Date

17-05780

**BLUESTONE**  
ENERGY PARTNERS

Trust is our greatest resource™

November 14, 2008

WV DEP Office of Oil and Gas  
Attn: Cindy Raines  
601 57<sup>th</sup> Street  
Charleston, WV 25304

Dear Cindy,

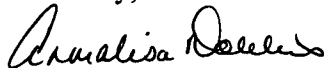
We are sending you the enclosed documentation required for permitting the following well location:

\* Newlon No. 6

Also enclosed is check no. 14315 in the amount of \$900.00 for the permit fee. This is to be permitted as a deep well. Due to spacing this well site will need to go before the Commission. Please accept this letter as our request to be heard before the Commission.

I believe this to be all documents needed to permit this well location. If you should have any questions or need anything further please let us know at your earliest convenience as we would like to get this well location permitted as soon as possible. Thank you for your help and assistance.

Sincerely,



Annalisa Dobbins  
Administrative Assistant

Enclosures: Well package for Newlon No. 6  
Check No. 014315- \$900.00

LATITUDE 39°20'00"



AT. 39°17'58.0" -

1. TIES TO WELLS AND CORNERS ARE BASED ON GRID NORTH FOR THE WV STATE PLANE COORDINATE SYSTEM NORTH ZONE NAD '27.
2. TIES TO REFERENCES ARE BASED ON MAGNETIC NORTH 07-29-08.
3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM DEED BOOK 109 PAGE 170 AND DEED BOOK 225 PAGE 34.
4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF DODDRIDGE COUNTY IN JULY, 2007.
5. WELL LAT./LONG. (NAD'27) ESTABLISHED BY DGPS(SUBMETER MAPPING GRADE).
6. PROPOSED WELL NEWLON #6 IS OVER 100' FROM LEASE BOUNDARY.
7. PLAT REVISED BY REQUEST OF HALL DRILLING TO SHOW 100' RADIUS FROM PROPOSED WELL NEWLON #6 FOR SPECIAL DEEP WELL REQUIREMENTS.

1" = 100'

FIELD

WELL NO. 6

S 08° W 122.90'

S 86° E 105.60'

14" LOCUST

WOODS

BURIED GASLINE

PIPELINE MARKER

A circular professional seal for Gregory A. Smith, a Licensed Professional Surveyor in the State of West Virginia. The seal features the name "GREGORY A. SMITH" at the top, "LICENSED" in the upper center, "No. 677" in the center, "STATE OF" below the number, "WEST VIRGINIA" at the bottom, and "PROFESSIONAL SURVEYOR" along the lower right arc. Two small stars are positioned on the left and right sides of the seal.

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

DATE OCTOBER 1 , 20 08  
REVISED NOVEMBER 12 , 20 08

OPERATORS WELL NO. NEWLON #6

API  
WELL NO. 47 — 17 — 5780  
STATE COUNTY PERMIT

STATE OF WEST VIRGINIA  
DIVISION OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS

COUNTY NAME

PERMIT

WELL OPERATOR	<u>HALL DRILLING, LLC</u>	DESIGNATED AGENT	<u>MIKE HALL</u>
ADDRESS	<u>P.O. BOX 249</u>	ADDRESS	<u>P.O. BOX 249</u>
	<u>ELLENBORO, WV 26346</u>		<u>ELLENBORO, WV 26346</u>

**STATE OF WEST VIRGINIA**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS**  
**WELL WORK PERMIT APPLICATION**

1) Well Operator Hall Drilling, LLC 17 3 596  
 Operator ID County District Quadrangle

2) Operators Well Number: Welch No. 1 3) Elevation: 988'

4) Well Type: (a) Oil        or Gas X  
 (b) If Gas: Production X / Underground Storage         
 Deep X / Shallow       

5) Proposed Target Formation(s): Marcellus

6) Proposed Total Depth: 8100' Feet

7) Approximate fresh water strata depths: 65'

8) Approximate salt water depths: 740'

9) Approximate coal seam depths: None

10) Does land contain coal seams tributary to active mine? No

11) Describe proposed well work To Drill and Stimulate a New Well

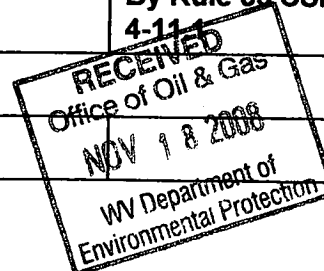
12) **CASING AND TUBING PROGRAM**

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft	For Drilling	Left in Well	Fill -up (Cu. Ft.)
Conductor	<u>13 3/8"</u>		<u>26#</u>	<u>250'</u>	<u>250'</u>	<u>CTS</u>
Fresh Water	<u>8 5/8"</u>			<u>988'</u>	<u>988'</u>	<u>CTS</u>
Coal						<u>→ 0.1c milled</u>
Intermediate	<u>7"</u>		<u>17#</u>	<u>2900'</u>	<u>2900'</u>	<u>By Rule 35 CSR</u>
Production	<u>4 1/2"</u>		<u>11.50#</u>	<u>8100'</u>	<u>8100'</u>	<u>By Rule 35 CSR</u>
Tubing						<u>4-111</u>
Liners						

Packers: Kind  
 Sizes  
 Depths Set

2014317

900



1) Date: January 17, 2008  
2) Operator's Well Number: Welch No. 1  
3) API Well No.: 47 - 17 - 05781  
State County Permit

**STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT  
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
NOTICE AND APPLICATION FOR A WELL WORK PERMIT**

**4) Surface Owner(s) to be served:**

(a) Name Veta Balis  
Address HC 78 Box 20  
Selbyville, WV 26236

(b) Name \_\_\_\_\_  
Address \_\_\_\_\_

(c) Name \_\_\_\_\_  
Address \_\_\_\_\_

**5) (a) Coal Operator**

Name \_\_\_\_\_  
Address \_\_\_\_\_

**(b) Coal Owner(s) with Declaration**

Name None  
Address \_\_\_\_\_

Name \_\_\_\_\_  
Address \_\_\_\_\_

**6) Inspector**

Mike Underwood  
Address Route 2 Box 135  
Salem, WV 26426  
Telephone 304-552-3874

**(c) Coal Lessee with Declaration**

Name \_\_\_\_\_  
Address \_\_\_\_\_

**TO THE PERSONS NAMED ABOVE TAKE NOTICE THAT:**

Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas

OR

X Included is the information required by Chapter 22, Article 6, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22-6 of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through \_\_\_\_ on the above named parties by:

\_\_\_\_ Personal Service (Affidavit attached)  
X Certified Mail (Postmarked postal receipt attached)  
\_\_\_\_ Publication (Notice of Publication attached)

I have read and understand Chapter 22-6 and 35 CSR 4, and I agree to the terms and conditions of any permit issued under this application.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator Hall Drilling, LLC  
By: Mike Hall  
Its: Designated Agent  
Address P.O. Box 249  
Ellenboro, WV 26346  
Telephone 304-869-3405

Subscribed and sworn before me  
this \_\_\_\_\_

day of \_\_\_\_\_

Notary Public

My Commission Expires 4/18/2011

INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE  
Chapter 22, Article 6, Section 8(d)  
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that –

- (1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Grantor, lessor, etc.	Grantee, lessee, etc.	Royalty	Book/Page
Mary Welch, et al	Bluestone Energy Partners	1/8th	220/651

Well Operator:  
By:  
Its:

Hall Drilling, LLC  
Mike Hall  
Designated Agent

17-05781

**West Virginia Department of Environmental Protection  
Office of Oil and Gas**

## NOTICE TO SURFACE OWNERS

**The well operator named below is preparing to file for a permit from the state to drill a new well. Before a well work permit can be filed with the Chief of the Office of Oil and Gas, the well operator is required to have given notice of the right to request water well or spring analytical testing. This notice shall be given to the owners or occupants of land which have a water well or spring being utilized for human consumption, domestic animals, or other general use and which is located within 1000 feet of the proposed well site.**

**With this form, the operator is giving you notice of your right to request analytical testing. The operator is required to sample and analyze the water wells or springs of all owners or occupants who request it. Therefore, if you wish to have your water well or spring tested, contact the operator named below.**

**All sampling shall be completed prior to drilling. Within thirty (30) days of the receipt of such sample analyses the operator shall submit the results to the Chief of the Office of Oil and Gas and to the owners or occupants who may have requested them.**

**If no water well or spring is located within 1000 feet, the Chief may require the operator to sample and analyze water from a water well or spring within 2000 feet of the proposed well site.**

**Be advised, you have the right to sample and analyze any water supply at your own expense.**

**The laboratory used by the operator to analyze the samples will be approved by the Chief. The operator named below has decided to use the following laboratory to analyze the water samples:**

<b>X</b>	<b>Contractor Name</b>	<b>Smith Land Surveying, Inc. – Environmental Division</b>
	<b>Well operator's private laboratory</b>	

<b>Well Operator</b>	<b>Hall Drilling, LLC</b>
<b>Address</b>	<b>P.O. Box 249</b>
	<b>Ellenboro, WV 26346</b>
<b>Telephone</b>	<b>304-869-3405</b>



**FOR OPERATOR'S USE ONLY:** Below, or on an attached page, list those persons which were given this notice. Place an asterisk beside the one(s) that contacted you and requested sampling and analyses. If there were no requests made, indicate by underling which one you have selected to sample and analyze. If there are no water wells or springs within 1000 feet of the proposed site please indicate such.

## Welch No. 1

**NOTE: There appears to be 5± potable water sources within 1,000', therefore tests will be offered and samples taken as required.**





SMITH LAND SURVEYING, INC.

P.O. BOX 150, GLENVILLE, WV 26351

ENVIRONMENTAL DIVISION

(304) 462-5634 • FAX 462-5656

17-05781

## WELL INFORMATION AND FINAL WATER WELL SAMPLE DATA SHEET

OPERATOR: Hall Drilling LLC.LEASE NAME AND NUMBER: Welch #1

### COMMENTS

The initial field and/or mapping review of the area surrounding the proposed well site revealed the below listed surface owner(s) that were potentially utilizing groundwater (potable) for Human Consumption or other purposes within 1000' of the proposed well site. (For location of each site see attached area map.)

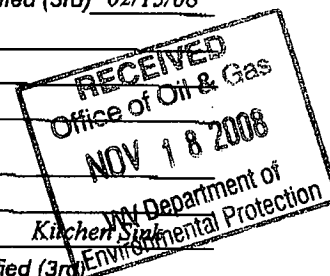
### INDIVIDUAL CONTACTED OR NOTIFIED

Site: 1 Spacing 500' Owner/Occupant: Veta Balis  
 Address: HC 78 Box 20 Selbyville, WV 26236 Ph: \_\_\_\_\_  
 Field Contact Date: 02/27/08 Sampled: Yes Date Sampled: 02/27/08 Source: Bathroom Sink  
 If No, declined by who \_\_\_\_\_ Letter/Notice Date: 1st \_\_\_\_\_ 2nd \_\_\_\_\_ Certified (3rd) 02/15/08  
 Comments: \_\_\_\_\_

Site: 2 Spacing 800' Owner/Occupant: Richard Earl  
 Address: RT 2 Box 83 Salem WV 26426 Ph: \_\_\_\_\_  
 Field Contact Date: 04/07/08 Sampled: Yes Date Sampled: 04/07/08 Source: Kitchen Sink  
 If No, declined by who \_\_\_\_\_ Letter/Notice Date: 1st \_\_\_\_\_ 2nd \_\_\_\_\_ Certified (3rd) 02/15/08  
 Comments: \_\_\_\_\_

Site: 3 Spacing 800' Owner/Occupant: Jim Stubbs  
 Address: RT 2 Box 73 Salem WV 26426 Ph: \_\_\_\_\_  
 Field Contact Date: 02/27/08 Sampled: Yes Date Sampled: 02/27/08 Source: Kitchen Sink  
 If No, declined by who \_\_\_\_\_ Letter/Notice Date: 1st \_\_\_\_\_ 2nd \_\_\_\_\_ Certified (3rd) \_\_\_\_\_  
 Comments: \_\_\_\_\_

Site: 4 Spacing 550' Owner/Occupant: William Lyons  
 Address: RT 2 Box 70 Salem, WV 26426 Ph: \_\_\_\_\_  
 Field Contact Date: 02/27/08 Sampled: Yes Date Sampled: 02/27/08 Source: Kitchen Sink  
 If No, declined by who \_\_\_\_\_ Letter/Notice Date: 1st \_\_\_\_\_ 2nd \_\_\_\_\_ Certified (3rd) 02/15/08  
 Comments: \_\_\_\_\_



STATE OF WEST VIRGINIA  
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
CONSTRUCTION AND RECLAMATION PLAN AND SITE REGISTRATION APPLICATION FORM  
GENERAL PERMIT FOR OIL AND GAS PIT WASTE DISCHARGE

Operator Name Hall Drilling, LLC OP Code \_\_\_\_\_

Watershed Buckeye Run Quadrangle Salem 7.5'

Elevation 988' County Doddridge District Grant

Description of anticipated Pit Waste: Drill Water, Frac Blow Back & Various Formation Cuttings

Will a synthetic liner be used in the pit? Yes.

Proposed Disposal Method For Treated Pit Wastes:

- ☒ Land Application  
☐ Underground Injection ( UIC Permit Number \_\_\_\_\_ )  
☐ Reuse (at API Number \_\_\_\_\_ )  
☐ Off Site Disposal (Supply form WW-9 for disposal location)  
☐ Other (Explain \_\_\_\_\_)

Proposed Work For Which Pit Will Be Used:

- ☒ Drilling ☒ Swabbing  
☐ Workover ☐ Plugging  
☐ Other (Explain \_\_\_\_\_)

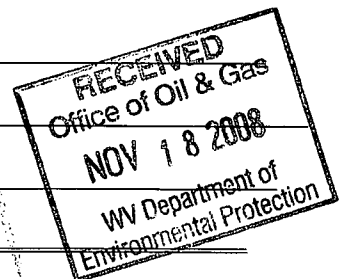
I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on December 31, 1999, by the Office of Oil and Gas of the West Virginia Division of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

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Company Official Signature \_\_\_\_\_

Company Official (Typed Name) Mike Hall

Company Official Title Designated Agent



Subscribed and sworn before me this 17 day of Jan 2008

\_\_\_\_\_  
Notary Public

My commission expires 4/18/2011

ALL ROADS SHOWN HEREON ARE EXISTING UNLESS OTHERWISE NOTED AND SHALL BE MAINTAINED IN ACCORDANCE WITH WV D.E.P. OIL AND GAS BMP MANUAL ENTRANCES AT COUNTY/STATE ROADS SHALL BE MAINTAINED IN ACCORDANCE WITH WV D.O.T. REGULATIONS. SEPARATE PERMITS MAY BE REQUIRED BY THE D.O.T.

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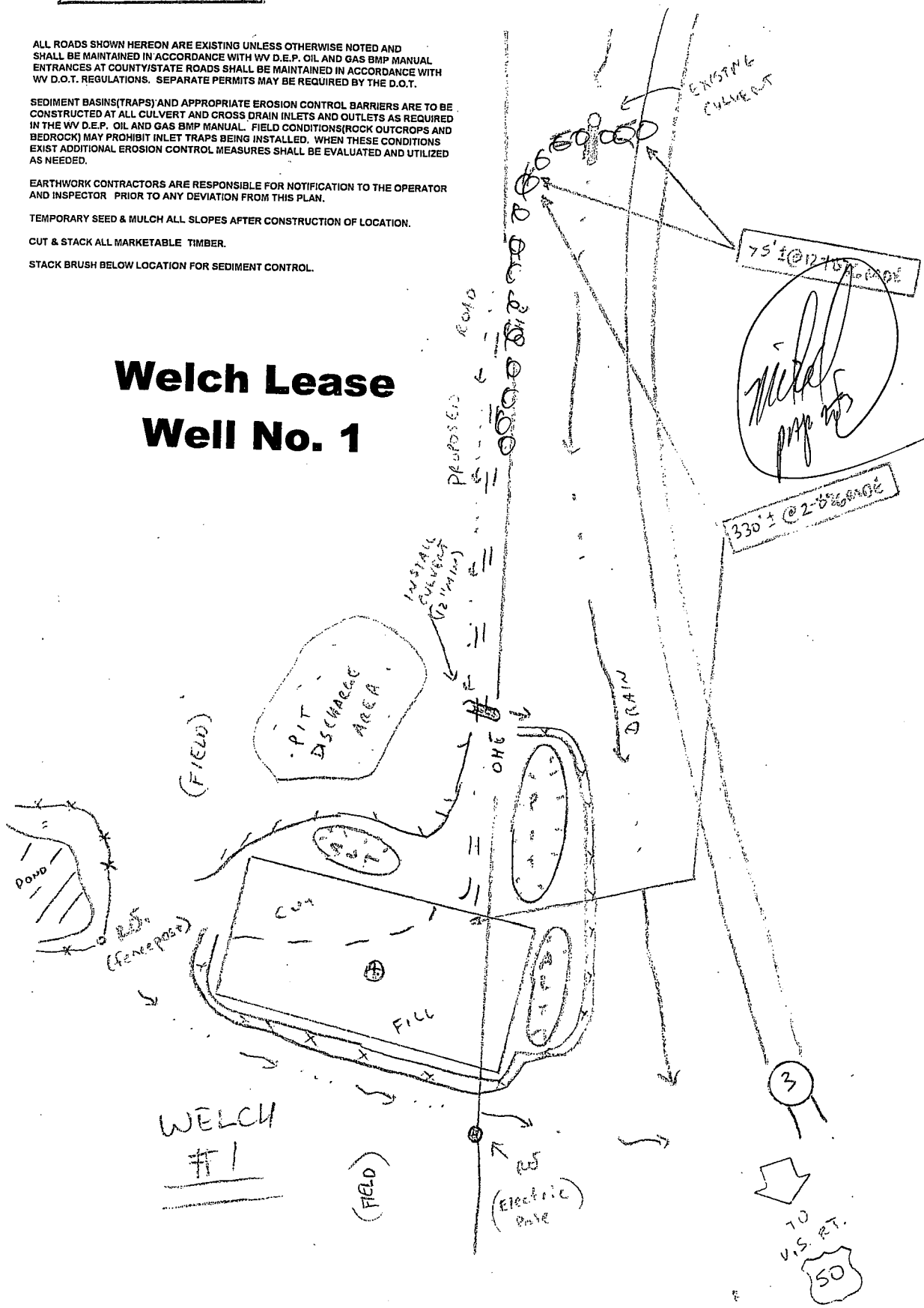
CUT & STACK ALL MARKETABLE TIMBER.

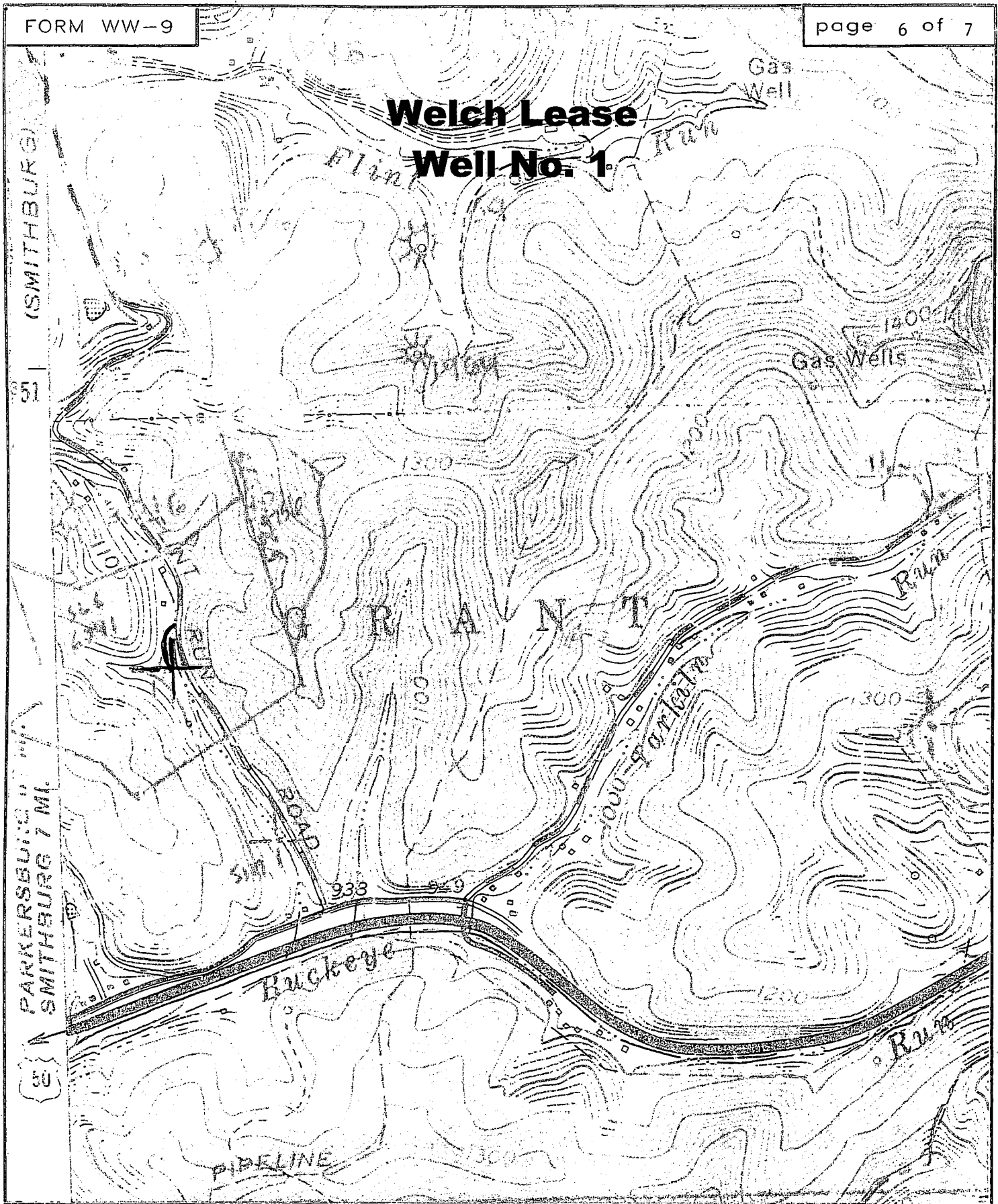
STACK BRUSH BELOW LOCATION FOR SEDIMENT CONTROL.



DRAWING  
NOT  
TO  
SCALE

# Welch Lease Well No. 1



**Welch Lease  
Well No. 1****SLS**SMITH LAND SURVEYING  
P.O. BOX 150 GLENVILLE, WV. 26351

TOPO SECTION OF

SALEM 7.5'

FILE NO. 6741

DATE 1/17/07

SCALE 1"=1000'

## WW-2A Surface Waiver

### SURFACE OWNER WAIVER

County

Doddridge

Operator

Operator well number Hall Drilling, LLC  
Welch Fry No. 1

#### INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW2-A

The well operator named on page WW2A is applying for a permit from the State to do oil or gas well work. (Note: If the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22 of the West Virginia Code. Well work permits are valid for 24 months. If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator and the Office of Oil and Gas.

**NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.**

#### WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:

Chief, Office of Oil and Gas  
Department of Environmental Protection  
601 57<sup>th</sup> St. SE  
Charleston, Wv 25304  
(304) 926-0450

**Time Limits and methods for filing comments.** The law requires these materials to be served on or before the date the operator files his Application. You have **FIFTEEN (15) DAYS** after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

**Comments must be in writing.** Your comments must include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

The Chief has the power to deny or condition a well work permit based on comments on the following grounds:

- 1) The proposed well work will constitute a hazard to the safety of persons.
- 2) The soil erosion and sediment control plan is not adequate or effective;
- 3) Damage would occur to publicly owned lands or resources;
- 4) The proposed well work fails to protect fresh water sources or supplies;
- 5) The applicant has committed a substantial violation of a previous permit or a substantial violation of one or more of the rules promulgated under Chapter 22, and has failed to abate or seek review of the violation...

If you want a copy of the permit as it is issued or a copy of the order denying the permit, you should request a copy from the Chief.

**List of Water Testing Laboratories.** The Office maintains a list of water testing laboratories which you can hire to test your water to establish water quality prior to and after drilling. Contact the Chief to obtain a copy.

#### **VOLUNTARY STATEMENT OF NO OBJECTION**

I hereby state that I have read the instructions to surface owners and that I have received copies of a Notice and Application for a Well Work Permit on Form WW2-A, and attachments consisting of pages 1 through 4, including work order on Form WW2-B, a survey plat, and a soil and erosion plan, all for proposed well work on surface land as described therein.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials.

FOR EXECUTION BY A NATURAL PERSON

FOR EXECUTION BY A CORPORATION, ETC.

Veta M. Lewis  
Signature

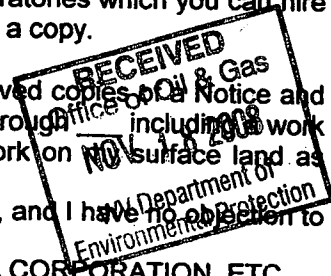
Date 1-24-08

Company  
Name  
By  
Its

Date

Signature

Date



November 14, 2008

WV DEP Office of Oil and Gas  
Attn: Laura Atkins  
601 57<sup>th</sup> Street  
Charleston, WV 25304

Dear Laura,

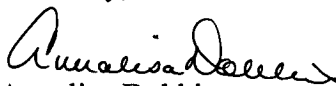
We are sending you the enclosed documentation required for permitting the following deep well locations:

- \* Welch No. 1
- \* Newlon No. 3
- \* Newlon No. 4
- \* Pletcher No. 1
- \* Maloney No. 1 Revised

Also enclosed is check no. 014317 in the amount of \$4,500.00 for the permit fees. These are to be permitted as deep well locations. I believe that the spacing is fine on all of these and does not have to go before the commission.

If anything additional is needed please let me know at your earliest convenience.

Sincerely,

  
Annalisa Dobbins  
Administrative Assistant

Enclosures: Maloney No. 1 (rev)- Welch No. 1  
Pletcher No. 1, Newlon 3, 4

# WELCH LEASE 64.5 ACRES± WELL NO. 1

LATITUDE 39°20'00"

LONGITUDE 80°35'00"

NORTH

WELL NO. 1  
STATE PLANE  
COORDINATES(N) 294,529  
(E) 1,682,487J. STUBBS ETUX  
59.71 ACRES±VETA BALIS  
40 ACRES±V. BALIS  
17.33 ACRES±R. & M. EARL  
24.5 ACRES±T. GOODSON ETAL  
26.19 ACRES±

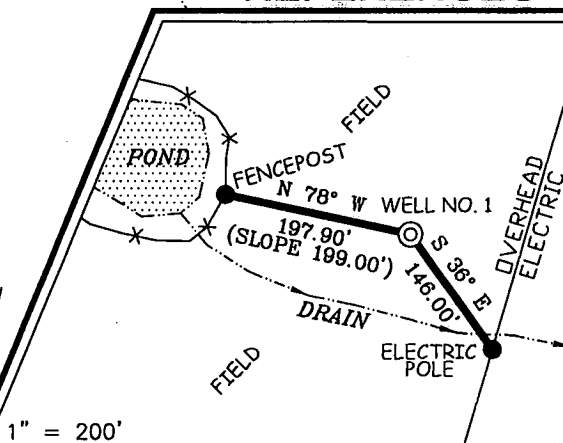
WELL NO. 1

W. LYONS ETUX  
1.5 ACRES±G. DAVIS ETAL  
28.23 ACRES±J. & S. FORD  
29.76 ACRES±J. & S. FORD  
56.87 ACRES±

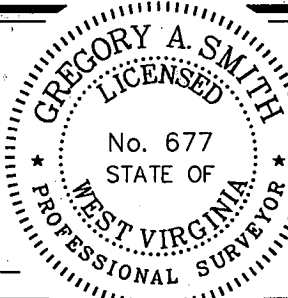
## NOTES ON SURVEY

1. TIES TO WELLS AND CORNERS ARE BASED ON GRID NORTH FOR THE WV STATE PLANE COORDINATE SYSTEM NORTH ZONE NAD '27.
2. TIES TO REFERENCES ARE BASED ON MAGNETIC NORTH 01-08-08.
3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM DEED BOOK 162 PAGE 676.
4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF DODDRIDGE COUNTY IN JULY, 2008.
5. WELL LAT./LONG. (NAD'27) ESTABLISHED BY DGPS(SUBMETER MAPPING GRADE).
6. PLAT HAS BEEN UPDATED TO SHOW DEEP WELL REQUIREMENTS TO DRILL INTO THE ONONDAGA FORMATION.

## REFERENCES



I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DIVISION OF ENVIRONMENTAL PROTECTION.

P.S.  
677

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

DATE JANUARY 17, 20 08

UPDATED MAY 16, 20 08

OPERATORS WELL NO. WELCH #1

API WELL NO. 47 - 17 - 05781

STATE COUNTY PERMIT

MINIMUM DEGREE  
OF ACCURACY

1 / 200

FILE NO. 6741P1R(252-32)

SCALE 1" = 500'

PROVEN SOURCE  
OF ELEVATION

DGPS (SUBMETER MAPPING GRADE)

STATE OF WEST VIRGINIA  
DIVISION OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS



WELL TYPE: OIL \_\_\_\_\_ GAS ☒ LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_ IF "GAS" PRODUCTION ☒ STORAGE \_\_\_\_\_ DEEP ☒ SHALLOW \_\_\_\_\_

LOCATION:

ELEVATION 988' WATERSHED BUCKEYE RUN

DISTRICT GRANT COUNTY DODDRIDGE QUADRANGLE SALEM 7.5'

SURFACE OWNER VETA BALIS

ACREAGE 40±

ROYALTY OWNER MARY WELCH ETAL

LEASE ACREAGE 64.5±

PROPOSED WORK:

LEASE NO. \_\_\_\_\_

DRILL ☒ CONVERT \_\_\_\_\_ DRILL DEEPER \_\_\_\_\_ REDRILL \_\_\_\_\_ FRACTURE OR STIMULATE ☒ PLUG OFF OLD FORMATION \_\_\_\_\_ PERFORATE NEW FORMATION \_\_\_\_\_ PLUG AND ABANDON \_\_\_\_\_ CLEAN OUT AND REPLUG \_\_\_\_\_ OTHER \_\_\_\_\_

PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

TARGET FORMATION MARCELLUS

ESTIMATED DEPTH 8,100'

WELL OPERATOR HALL DRILLING, LLC

DESIGNATED AGENT MIKE HALL

ADDRESS P.O. BOX 249

ADDRESS P.O. BOX 249

ELLENBORO, WV 26346

ELLENBORO, WV 26346

COUNTY NAME

PERMIT

Docket 196-188

Hickman/Ford #1 (5774)

✓ 2050' to 5665

✓ 1200' to 5775

Hickman #2 (5775)

✓ 1200' to 5774

Newton #3 (5782) ✓ ✓

1200' to 575586 ✓ ✓

1150' to 5183 ✓ ✓

1000' to 5016 ✓ ✓

1300' to 5780 ✓

1800' to 5585

Newton #4 } OK  
Newton #6 }

Welch #1

Check these deep or shallow?

5779 Shallow

5751? Ash #1

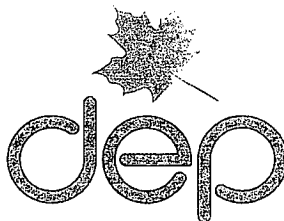
5647 Chess #1 Shallow

5750 Williams

proposed  
hearing

not on  
~~deep~~  
deep  
well  
maps





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west virginia department of environmental protection

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Oil and Gas Conservation Commission  
601 57<sup>th</sup> Street, SE Charleston, WV 25304  
(304)926-0499, Ext 1656

Joe Manchin III, Governor  
Randy C. Huffman, Cabinet Secretary  
www.wvdep.org

January 7, 2009

Department of Environmental Protection  
Office of Oil and Gas  
Charleston, WV 25304

RE: Application for Deep Well Permit – API #47-017-05774

COMPANY: Hall Drilling, LLC

FARM: Hickman/Ford #1

COUNTY: Doddridge DISTRICT: Grant QUAD: Smithburg

The application for the above company is APPROVED FOR ONONDAGA.

*Marcellus completion Docket 196-188 187*

The applicant has complied with the provision of Chapter 22C-9, of the Code of West Virginia, nineteen hundred and thirty-one (1931), as amended, Oil and Gas Conservation Commission as follows:

1. Provided a certified copy of duly acknowledged and recorded consent and easement form from all surface owners; N/A
2. Provided a tabulation of all deep wells within one mile of the proposed location, including the API number of all deep wells, well name, and the name and address of the operator; \*see below
3. Provided a plat showing that the proposed location is a distance of 100 feet from the nearest lease line or unit boundary and showing the following wells drilled to or capable of producing from the objective formation within 3,000 feet of the proposed location.

Sincerely,

Cindy Raines  
Executive Assistant

\*2,139' to 47-017-05665

\*1,206' to 47-017-05775

Promoting a healthy environment.

vert. marcellus

Lease Name: Hickman/Ford Lease

Acreage: 159.50 Acres +/- 47-017-05774

Well: Well No. 1

Distance from nearest lease line: 100 feet (as shown on plat)

Permitted Deep Wells within 3000':

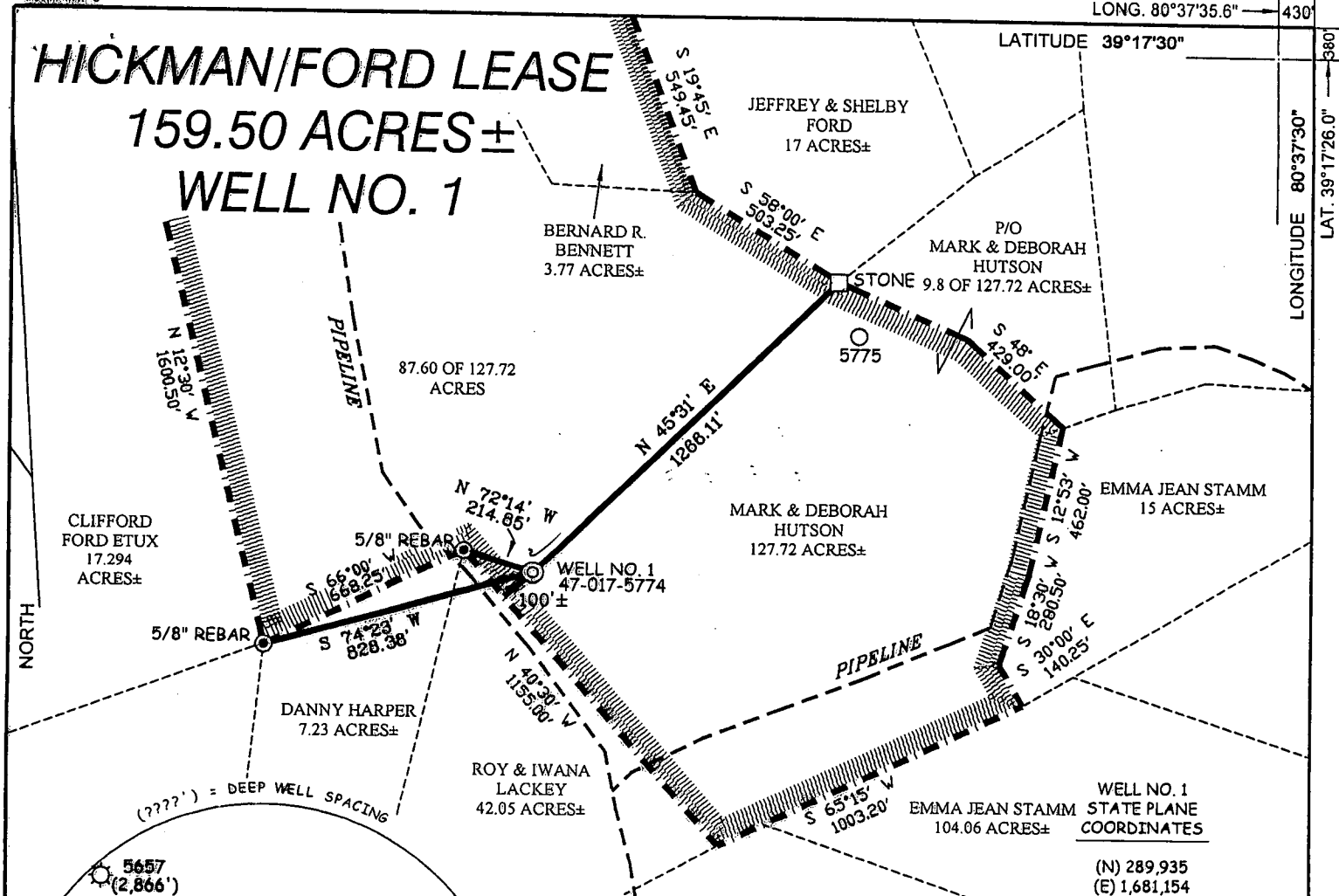
① Permit # 47-017-5775 (Hall Drilling Hickman/Ford #2) ✓

② Permit # 47-017-5665 (Hall Drilling Underwood #2) ✓

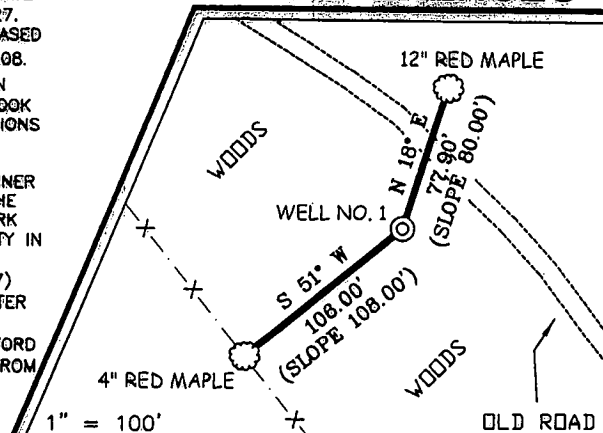
~~③~~ Permit # 47-017-5657 (Hall Drilling Rominger #1) shallow  
shallow pull WR

Applying for a deep well permit to drill with 100 feet into the  
Onondaga per code

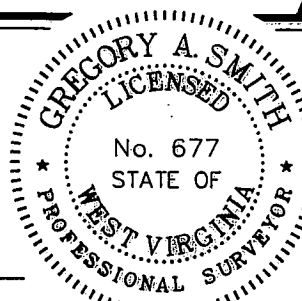
Hall Drilling has no issue drilling within the 3000 feet of our own wells  
as per those wells listed above in relationship to the proposed  
Hickman/Ford No. 1.

**HICKMAN/FORD LEASE****159.50 ACRES±****WELL NO. 1****NOTES ON SURVEY**

1. TIES TO WELLS AND CORNERS ARE BASED ON GRID NORTH FOR THE WV STATE PLANE COORDINATE SYSTEM NORTH ZONE NAD '27.
2. TIES TO REFERENCES ARE BASED ON MAGNETIC NORTH 10-08-08.
3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM DEED BOOK 266 PAGE 285 AND TITLE OPINIONS PREPARED BY STEPTOE & JOHNSON, PLLC.
4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF DODDRIDGE COUNTY IN JULY, 2008.
5. WELL LAT./LONG. (NAD'27) ESTABLISHED BY DGPS (SUBMETER MAPPING GRADE).
6. PROPOSED WELL HICKMAN/FORD #1 IS APPROXIMATELY 100'± FROM LEASE BOUNDARY.

**REFERENCES**

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DIVISION OF ENVIRONMENTAL PROTECTION.

P.S.  
677

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

DATE OCTOBER 8, 20 08  
 REVISED DECEMBER 8, 20 08  
 OPERATORS WELL NO. HICKMAN/FORD #1  
 API  
 WELL NO. 47 - 017 - 5774  
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 6739P1A(267-52)  
 PROVEN SOURCE OF ELEVATION DGPS (SUBMETER MAPPING GRADE) SCALE 1" = 500'

STATE OF WEST VIRGINIA  
 DIVISION OF ENVIRONMENTAL PROTECTION  
 OFFICE OF OIL AND GAS



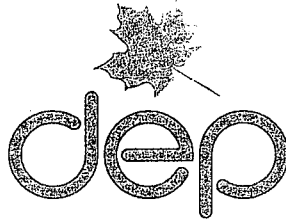
WELL TYPE: OIL ☐ GAS ☒ LIQUID INJECTION ☐ WASTE DISPOSAL ☐ IF "GAS" PRODUCTION ☒ STORAGE ☐ (NOTE 6)  
 LOCATION: ELEVATION 1,237' WATERSHED BUCKEYE RUN  
 DISTRICT GRANT COUNTY DODDRIDGE QUADRANGLE SMITHBURG 7.5'  
 SURFACE OWNER MARK & DEBORAH HUTSON ACREAGE 127.72±  
 ROYALTY OWNER M. HICKMAN ETAL LEASE ACREAGE 159.50±  
 PROPOSED WORK: LEASE NO. \_\_\_\_\_  
 DRILL ☒ CONVERT ☐ DRILL DEEPER ☐ REDRILL ☐ FRACTURE OR STIMULATE ☒ PLUG OFF OLD FORMATION ☐ PERFORATE NEW FORMATION ☐ PLUG AND ABANDON ☐ CLEAN OUT AND REPLUG ☐ OTHER ☐  
 PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_ TARGET FORMATION MARCELLUS  
 ESTIMATED DEPTH 8,100'

WELL OPERATOR HALL DRILLING, LLC  
 ADDRESS P.O. BOX 249  
ELLENBORO, WV 26346

DESIGNATED AGENT MIKE HALL  
 ADDRESS P.O. BOX 249  
ELLENBORO, WV 26346

COUNTY NAME

PERMIT



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west virginia department of environmental protection

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Oil and Gas Conservation Commission  
601 57<sup>th</sup> Street, SE Charleston, WV 25304  
(304)926-0499, Ext 1656

Joe Manchin III, Governor  
Randy C. Huffman, Cabinet Secretary  
www.wvdep.org

January 7, 2009

Department of Environmental Protection  
Office of Oil and Gas  
Charleston, WV 25304

RE: Application for Deep Well Permit – API #47-017-05775

COMPANY: Hall Drilling, LLC

FARM: Hickman/Ford #2

COUNTY: Doddridge DISTRICT: Grant QUAD: Salem

The application for the above company is APPROVED FOR ONONDAGA.  
*Marcellus completion Docket 196-188 '87*

The applicant has complied with the provision of Chapter 22C-9, of the Code of West Virginia, nineteen hundred and thirty-one (1931), as amended, Oil and Gas Conservation Commission as follows:

1. Provided a certified copy of duly acknowledged and recorded consent and easement form from all surface owners; N/A
2. Provided a tabulation of all deep wells within one mile of the proposed location, including the API number of all deep wells, well name, and the name and address of the operator; \*see below
3. Provided a plat showing that the proposed location is a distance of 140 feet from the nearest lease line or unit boundary and showing the following wells drilled to or capable of producing from the objective formation within 3,000 feet of the proposed location.

Sincerely,

Cindy Raines  
Executive Assistant

\*1,206' to 47-017-05775

Lease Name: Hickman/Ford Lease

Acreage: 159.50 Acres +/- 47-017-05775

Well: Well No.2

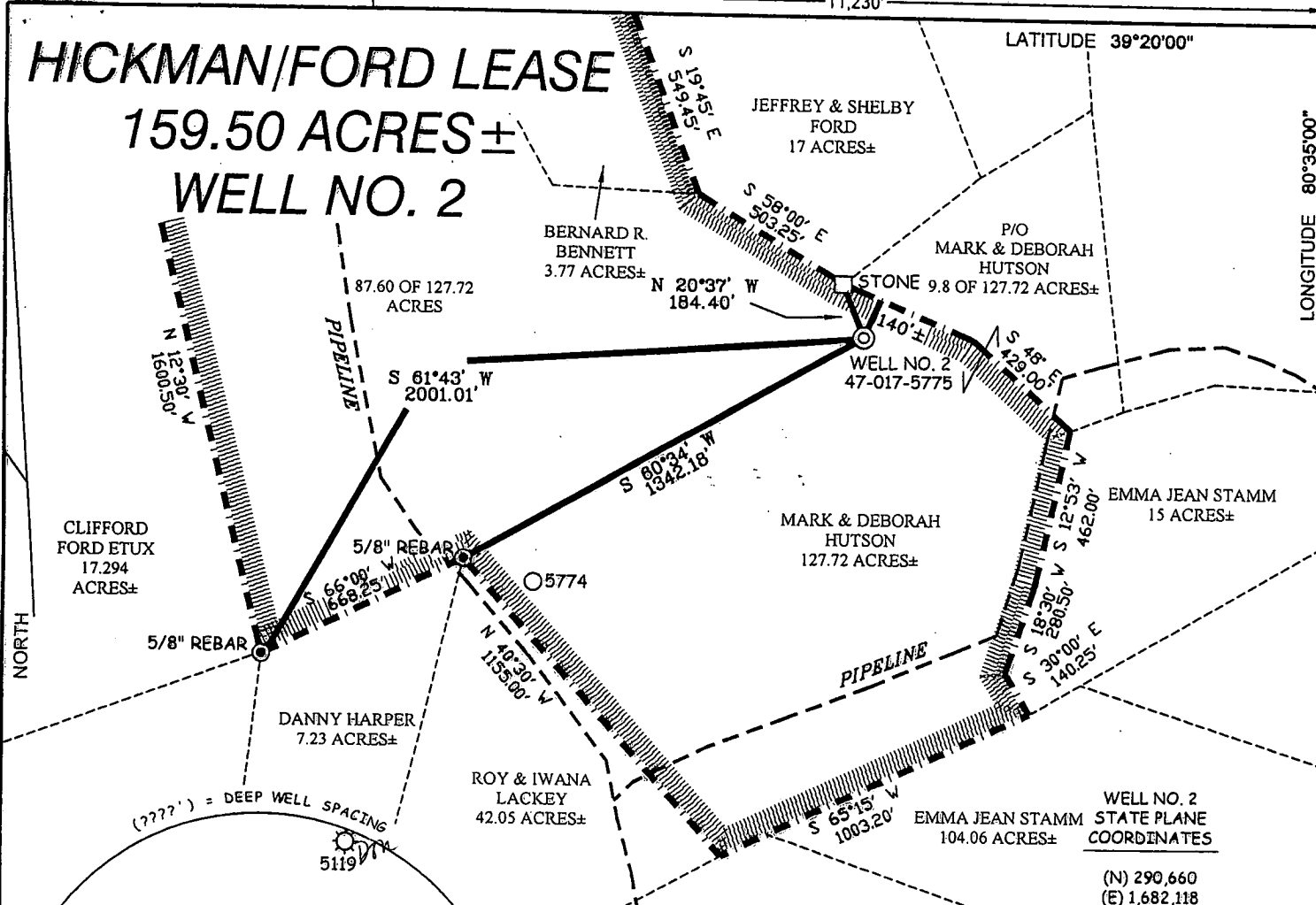
Distance from nearest lease line: 140 feet (as shown on plat)

Permitted Deep Wells within 3000':

1. Permit # 47-017-5774 (Hall Drilling Hickman/Ford #1)

Applying for a deep well permit to drill with 100 feet into the  
Onondaga per code

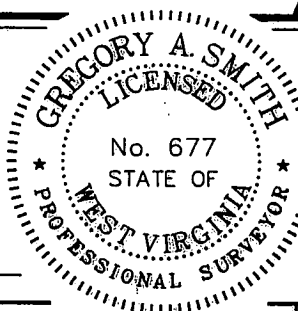
Hall Drilling has no issue drilling within the 3000 feet of our own wells  
as per those wells listed above in relationship to the proposed  
Hickman/Ford No. 2.

**HICKMAN/FORD LEASE****159.50 ACRES ±****WELL NO. 2****NOTES ON SURVEY**

1. TIES TO WELLS AND CORNERS ARE BASED ON GRID NORTH FOR THE WV STATE PLANE COORDINATE SYSTEM NORTH ZONE NAD '27.
2. TIES TO REFERENCES ARE BASED ON MAGNETIC NORTH 10-08-08.
3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM DEED BOOK 266 PAGE 265 AND TITLE OPINIONS PREPARED BY STEPTOE & JOHNSON, PLLC.
4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF DODDRIDGE COUNTY IN JULY, 2008.
5. WELL LAT./LONG. (NAD'27) ESTABLISHED BY DGPS (SUBMETER MAPPING GRADE).
6. PROPOSED WELL HICKMAN/FORD #2 IS APPROXIMATELY 140' ± FROM LEASE BOUNDARY.

**REFERENCES**

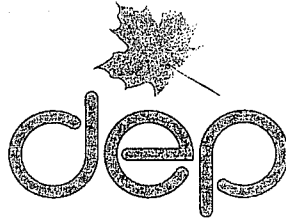
I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DIVISION OF ENVIRONMENTAL PROTECTION.

P.S.  
677*Gregory A. Smith*

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

DATE OCTOBER 8, 20 08REVISED DECEMBER 8, 20 08OPERATORS WELL NO. HICKMAN/FORD #2API WELL NO. 47 - 017 - 5775STATE WV COUNTY DO PERMIT 5775MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 6739P2(267-51)PROVEN SOURCE OF ELEVATION DGPS (SUBMETER MAPPING GRADE) SCALE 1" = 500'STATE OF WEST VIRGINIA  
DIVISION OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS

WELL TYPE:	OIL	GAS <u>X</u>	LIQUID INJECTION	WASTE DISPOSAL	IF "GAS" PRODUCTION <u>X</u>	STORAGE	(NOTE 6)	DEEP <u>X</u>	SHALLOW
LOCATION:									
ELEVATION	<u>1,263'</u>		WATERSHED <u>BUCKEYE RUN</u>						
DISTRICT	<u>GRANT</u>		COUNTY	<u>DODDRIDGE</u>		QUADRANGLE	<u>SALEM 7.5'</u>		
SURFACE OWNER	<u>MARK &amp; DEBORAH HUTSON</u>					ACREAGE	<u>127.72±</u>		
ROYALTY OWNER	<u>M. HICKMAN ETAL</u>					LEASE ACREAGE	<u>159.50±</u>		
PROPOSED WORK:						LEASE NO.			
DRILL <u>X</u>	CONVERT	DRILL DEEPER	REDRILL	FRACTURE OR STIMULATE <u>X</u>	PLUG OFF OLD FORMATION	PERFORATE NEW FORMATION	PLUG AND ABANDON	CLEAN OUT AND REPLUG	OTHER
PHYSICAL CHANGE IN WELL (SPECIFY)					TARGET FORMATION	<u>MARCELLUS</u>			
					ESTIMATED DEPTH	<u>8,100'</u>			
WELL OPERATOR	<u>HALL DRILLING, LLC</u>				DESIGNATED AGENT	<u>MIKE HALL</u>			
ADDRESS	<u>P.O. BOX 249</u>				ADDRESS	<u>P.O. BOX 249</u>			
	<u>ELLENBORO, WV 26346</u>					<u>ELLENBORO, WV 26346</u>			



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west virginia department of environmental protection

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Oil and Gas Conservation Commission  
601 57<sup>th</sup> Street, SE Charleston, WV 25304  
(304)926-0499, Ext 1656

Joe Manchin III, Governor  
Randy C. Huffman, Cabinet Secretary  
www.wvdep.org

January 7, 2009

Department of Environmental Protection  
Office of Oil and Gas  
Charleston, WV 25304

RE: Application for Deep Well Permit – API #47-017-05782

COMPANY: Hall Drilling, LLC

FARM: Neva Ritter - Newlon #3

COUNTY: Doddridge DISTRICT: Grant QUAD: Salem

The application for the above company is APPROVED FOR ONONDAGA.  
*Marcellus completion Docket 196-189 187*

The applicant has complied with the provision of Chapter 22C-9, of the Code of West Virginia, nineteen hundred and thirty-one (1931), as amended, Oil and Gas Conservation Commission as follows:

1. Provided a certified copy of duly acknowledged and recorded consent and easement form from all surface owners; N/A
2. Provided a tabulation of all deep wells within one mile of the proposed location, including the API number of all deep wells, well name, and the name and address of the operator; \*see below
3. Provided a plat showing that the proposed location is a distance of 380 feet from the nearest lease line or unit boundary and showing the following wells drilled to or capable of producing from the objective formation within 3,000 feet of the proposed location.

Sincerely,

Cindy Raines  
Executive Assistant

\*1,300' to 47-017-05586  
1,150' to 47-017-05183  
1,750' to 47-017-05585

1,000' to 47-017-05016  
1,200' to 47-017-05780

Lease Name: Newlon Lease

Acreage: 144 Acres +/-

Well: Well No.3

Distance from nearest lease line: 380 feet (as shown on plat)

Permitted Deep Wells within 3000':

- ✓ ① Permit # 47-017-5586 (Hall Drilling Newlon No. 2) ✓ ✓
- Shallow ✗ ② Permit # 47-017-5647 (Hall Drilling Chess No. 1) Shallow
- ③ Permit # 47-017-5751 (Hall Drilling Ash No. 1) ✓ ✓
- ④ Permit # 47-017-5780 (Hall Drilling Newlon No. 6) ✓ ✓
- deep ⑤ Permit # 47-017-5782<sup>05604</sup> (Hall Drilling Van Scoy No. 1) Shallow ???
- ⑥ Permit # 47-033-5183 (Hall Drilling Newlon No. 4) ✓
- Shallow ✗ ⑦ Permit # 47-033-5018 (Hall Drilling Harbert No. 2) ✓
- ⑧ Permit # 47-033-5016 (Hall Drilling N. Ritter No. 1) ✓
- ~~⑨ Permit # 47-017-5782 (Hall Drilling Newlon No. 3)~~
- this well shallow ✗ ⑩ Permit # 47-033-5135 (Hall Drilling Harbert No. 1) ✓

Applying for a deep well permit to drill with 100 feet into the  
Onondaga per code

Hall Drilling has no issue drilling within the 3000 feet of our own wells  
as per those wells listed above in relationship to the proposed  
Newlon Well No. 3.

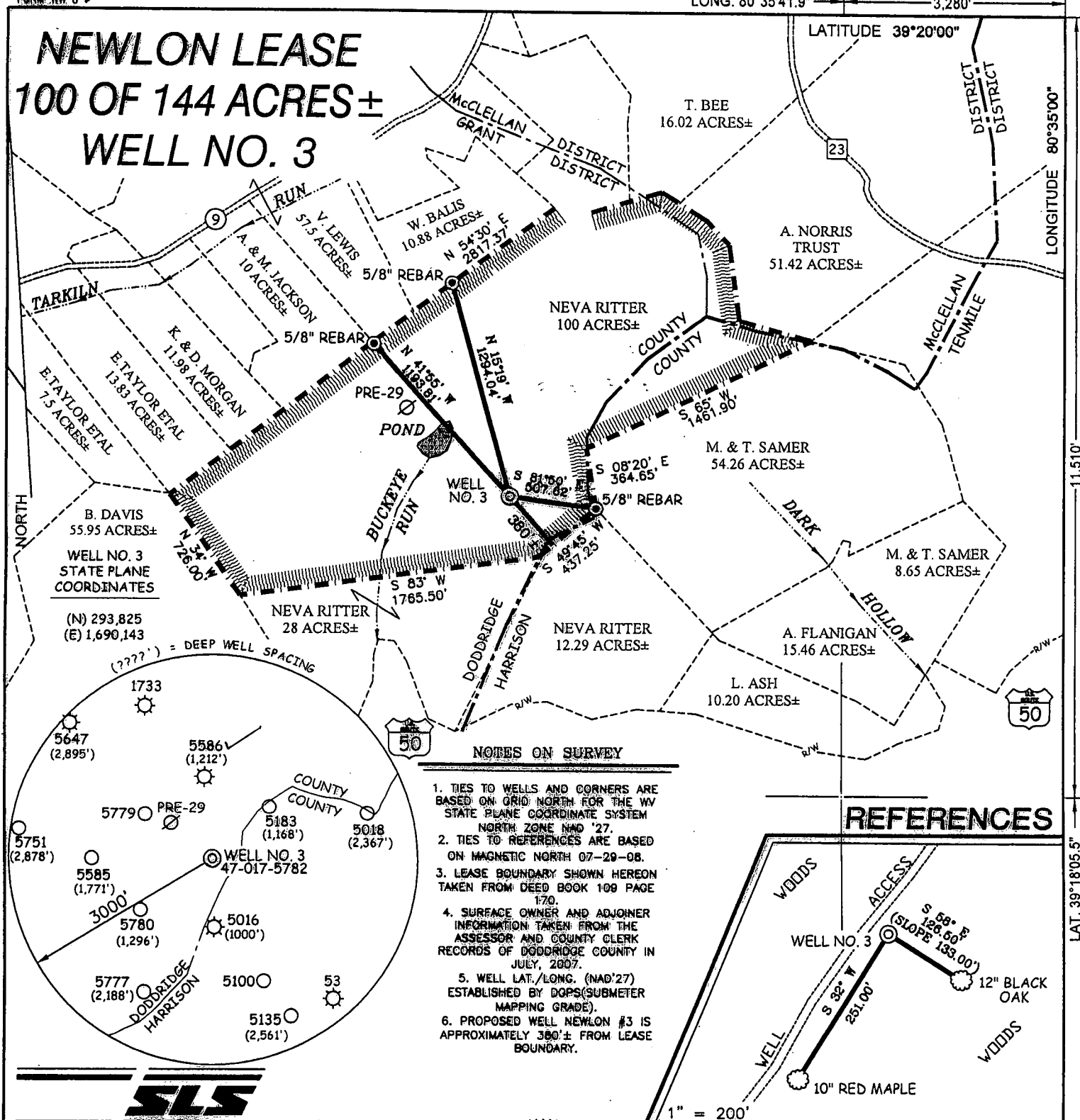
VanSoy #1  
17-5604

VanSoy #2  
17-5777

deep confirmed  
shallow

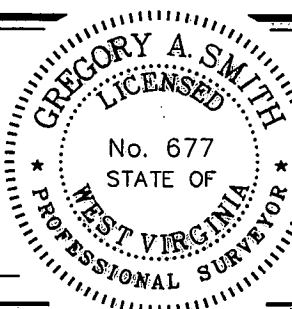


# NEWLON LEASE 100 OF 144 ACRES± WELL NO. 3



I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DIVISION OF ENVIRONMENTAL PROTECTION.

P.S.  
677



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

DATE OCTOBER 1, 20 08

REVISED DECEMBER 9, 20 08

OPERATORS WELL NO. NEWLON #3

API WELL NO. 47 - 017 - 5782  
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200  
PROVEN SOURCE OF ELEVATION DGPS (SUBMETER MAPPING GRADE)  
FILE NO. 6714P3R(264-51)  
SCALE 1" = 800'

STATE OF WEST VIRGINIA  
DIVISION OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS



WELL TYPE: OIL ☐ GAS ☒ LIQUID INJECTION ☐ WASTE DISPOSAL ☐ IF "GAS" PRODUCTION ☒ STORAGE ☐ (NOTE 6) DEEP ☒ SHALLOW ☐

LOCATION: ELEVATION 1,338' WATERSHED BUCKEYE RUN  
DISTRICT GRANT COUNTY DODDRIDGE QUADRANGLE SALEM 7.5'

SURFACE OWNER NEVA RITTER ACREAGE 100±  
ROYALTY OWNER C. MUTSCHELKNAUS ETAL LEASE ACREAGE 100 OF 144±

PROPOSED WORK: DRILL ☒ CONVERT ☐ DRILL DEEPER ☐ REDRILL ☐ FRACTURE OR STIMULATE ☒ PLUG OFF OLD FORMATION ☐ PERFORATE NEW FORMATION ☐ PLUG AND ABANDON ☐ CLEAN OUT AND REPLUG ☐ OTHER ☐

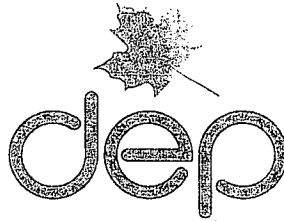
PHYSICAL CHANGE IN WELL (SPECIFY) TARGET FORMATION MARCELLUS  
ESTIMATED DEPTH 8,100'

WELL OPERATOR HALL DRILLING, LLC  
ADDRESS P.O. BOX 249  
ELLENBORO, WV 26346

DESIGNATED AGENT MIKE HALL  
ADDRESS P.O. BOX 249  
ELLENBORO, WV 26346

COUNTY NAME

PERMIT



---

west virginia department of environmental protection

---

Oil and Gas Conservation Commission  
601 57<sup>th</sup> Street, SE Charleston, WV 25304  
(304)926-0499, Ext 1656

Joe Manchin III, Governor  
Randy C. Huffman, Cabinet Secretary  
[www.wvdep.org](http://www.wvdep.org)

January 7, 2009

Department of Environmental Protection  
Office of Oil and Gas  
Charleston, WV 25304

RE: Application for Deep Well Permit – API #47-033-05183

COMPANY: Hall Drilling, LLC

FARM: Neva Ritter - Newlon #4

COUNTY: Harrison DISTRICT: Tenmile QUAD: Salem

The application for the above company is APPROVED FOR ONONDAGA.  
*Marcellus completion Docket 196-189 187*

The applicant has complied with the provision of Chapter 22C-9, of the Code of West Virginia, nineteen hundred and thirty-one (1931), as amended, Oil and Gas Conservation Commission as follows:

1. Provided a certified copy of duly acknowledged and recorded consent and easement form from all surface owners; N/A
2. Provided a tabulation of all deep wells within one mile of the proposed location, including the API number of all deep wells, well name, and the name and address of the operator; \*see below
3. Provided a plat showing that the proposed location is a distance of 300 feet from the nearest lease line or unit boundary and showing the following wells drilled to or capable of producing from the objective formation within 3,000 feet of the proposed location.

Sincerely,

Cindy Raines  
Executive Assistant

\*1,993' to 47-033-05016  
2,724' to 47-017-05585  
1,168' to 47-017-05782

2,455' to 47-017-05780  
1,016' to 47-017-05686

Lease Name: Newlon Lease

Acreage: 144 Acres +/- 47-033-05183

Well: Well No.4

Distance from nearest lease line: 300 feet (as shown on plat)

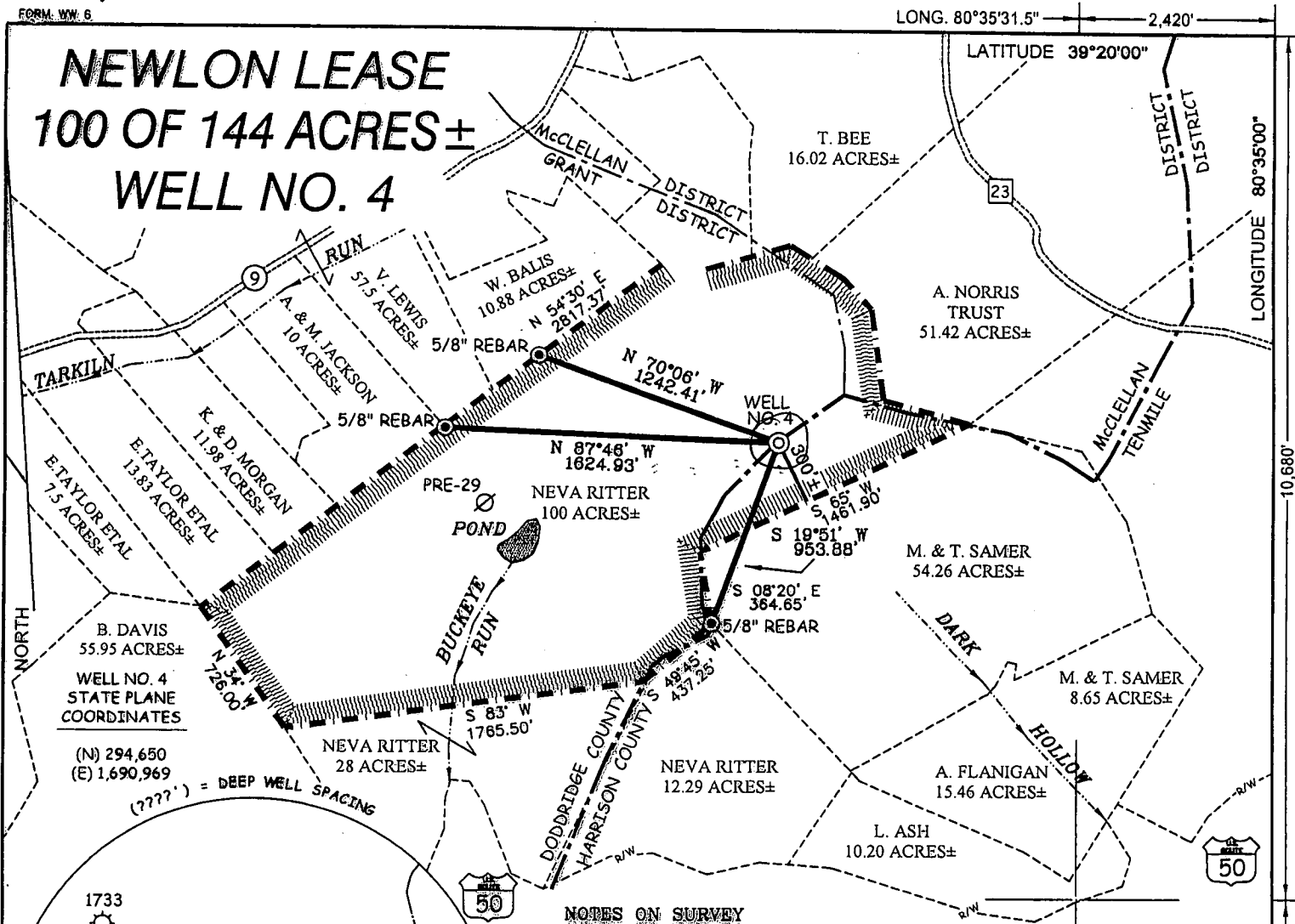
Permitted Deep Wells within 3000':

- Shallow ~~1.~~ Permit # 47-033-5018 (Hall Drilling Harbert No. 2) ✓
- (2.) Permit # 47-033-5016 (Hall Drilling N. Ritter No. 1) ✓
- (3.) Permit # 47-017-5780 (Hall Drilling Newlon No. 6) ✓
- (4.) Permit # 47-017-5585 (Hall Drilling Newlon No. 1) ✓
- (5.) Permit # 47-017-5586 (Hall Drilling Newlon No. 2) ✓
- (6.) Permit # 47-017-5782 (Hall Drilling Newlon No. 3) ✓

Applying for a deep well permit to drill with 100 feet into the  
Onondaga per code

Hall Drilling has no issue drilling within the 3000 feet of our own wells  
as per those wells listed above in relationship to the proposed  
Newlon Well No. 4.

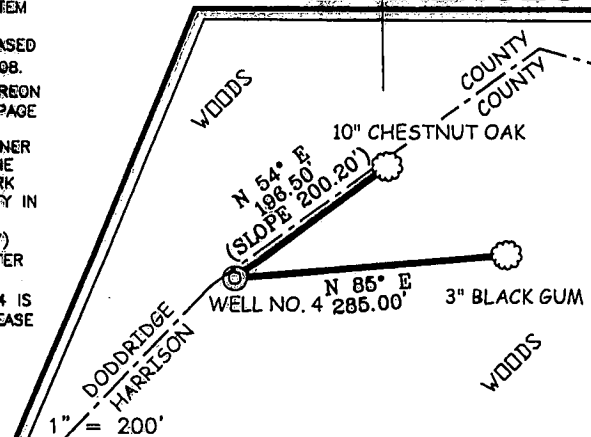
# NEWLON LEASE 100 OF 144 ACRES± WELL NO. 4



## NOTES ON SURVEY

1. TIES TO WELLS AND CORNERS ARE BASED ON GRID NORTH FOR THE WV STATE PLANE COORDINATE SYSTEM NORTH ZONE NAD '27.
2. TIES TO REFERENCES ARE BASED ON MAGNETIC NORTH 07-29-08.
3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM DEED BOOK 109 PAGE 170.
4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF DODDRIDGE COUNTY IN JULY, 2007.
5. WELL LAT./LONG. (NAD'27) ESTABLISHED BY DGPS (SUBMETER MAPPING GRADE).
6. PROPOSED WELL NEWLON #4 IS APPROXIMATELY 300'± FROM LEASE BOUNDARY.

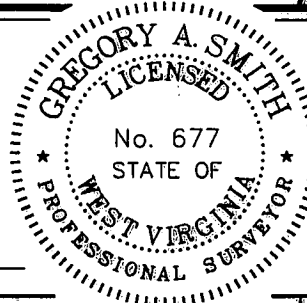
## REFERENCES



I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DIVISION OF ENVIRONMENTAL PROTECTION.

P.S.  
677

*Gregory A. Smith*



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

DATE OCTOBER 1, 20 08  
REVISED DECEMBER 9, 20 08

OPERATORS WELL NO. NEWLON #4

API WELL NO. 47 - 033 - 5183  
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 6714P4R(264-50)  
PROVEN SOURCE OF ELEVATION DGPS (SUBMETER MAPPING GRADE) SCALE 1" = 800'

STATE OF WEST VIRGINIA  
DIVISION OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS



WELL TYPE: OIL    GAS X LIQUID INJECTION    WASTE DISPOSAL    IF "GAS" PRODUCTION X STORAGE    (NOTE 6)  
LOCATION: ELEVATION 1,416' WATERSHED BUCKEYE RUN & DARK HOLLOW  
DISTRICT TENMILE COUNTY HARRISON QUADRANGLE SALEM 7.5'  
SURFACE OWNER NEVA RITTER ACREAGE 100±  
ROYALTY OWNER C. MUTSCHELKNAUS ETAL LEASE ACREAGE 100 OF 144±  
PROPOSED WORK: LEASE NO.     
DRILL X CONVERT    DRILL DEEPER    REDRILL    FRACTURE OR STIMULATE X PLUG OFF OLD  
FORMATION    PERFORATE NEW FORMATION    PLUG AND ABANDON    CLEAN OUT AND REPLUG    OTHER     
PHYSICAL CHANGE IN WELL (SPECIFY)    TARGET FORMATION MARCELLUS  
ESTIMATED DEPTH 8,100'

WELL OPERATOR HALL DRILLING, LLC  
ADDRESS P.O. BOX 249  
ELLENBORO, WV 26346

DESIGNATED AGENT MIKE HALL  
ADDRESS P.O. BOX 249  
ELLENBORO, WV 26346

COUNTY NAME  
PERMIT



west virginia department of environmental protection

Oil and Gas Conservation Commission  
601 57<sup>th</sup> Street, SE Charleston, WV 25304  
(304)926-0499, Ext 1656

Joe Manchin III, Governor  
Randy C. Huffman, Cabinet Secretary  
[www.wvdep.org](http://www.wvdep.org)

January 7, 2009

Department of Environmental Protection  
Office of Oil and Gas  
Charleston, WV 25304

RE: Application for Deep Well Permit – API #47-017-05780

COMPANY: Hall Drilling, LLC

FARM: Neva Ritter - Newlon #6

COUNTY: Doddridge DISTRICT: Grant QUAD: Salem

The application for the above company is APPROVED FOR ONONDAGA.  
*Marcellus completion Docket*

The applicant has complied with the provision of Chapter 22C-9, of the Code of West Virginia, nineteen hundred and thirty-one (1931), as amended, Oil and Gas Conservation Commission as follows:

1. Provided a certified copy of duly acknowledged and recorded consent and easement form from all surface owners; N/A
2. Provided a tabulation of all deep wells within one mile of the proposed location, including the API number of all deep wells, well name, and the name and address of the operator; \*see below
3. Provided a plat showing that the proposed location is a distance of 290 feet from the nearest lease line or unit boundary and showing the following wells drilled to or capable of producing from the objective formation within 3,000 feet of the proposed location.

Sincerely,

Cindy Raines  
Executive Assistant

*2,455' to 47-033-05183	1,104' to 47-033-05016	2,140' to 47-017-05604
1,296' to 47-017-05782	1,038' to 47-017-05586	1,038' to 47-017-05586
2,141' to 47-017-05751	2,607' to 47-017-05750	

Promoting a healthy environment.

Lease Name: Newlon Lease

Acreage: 144 Acres +/-

Well: Well No. 6

Distance from nearest lease line: 290 feet (as shown on plat)

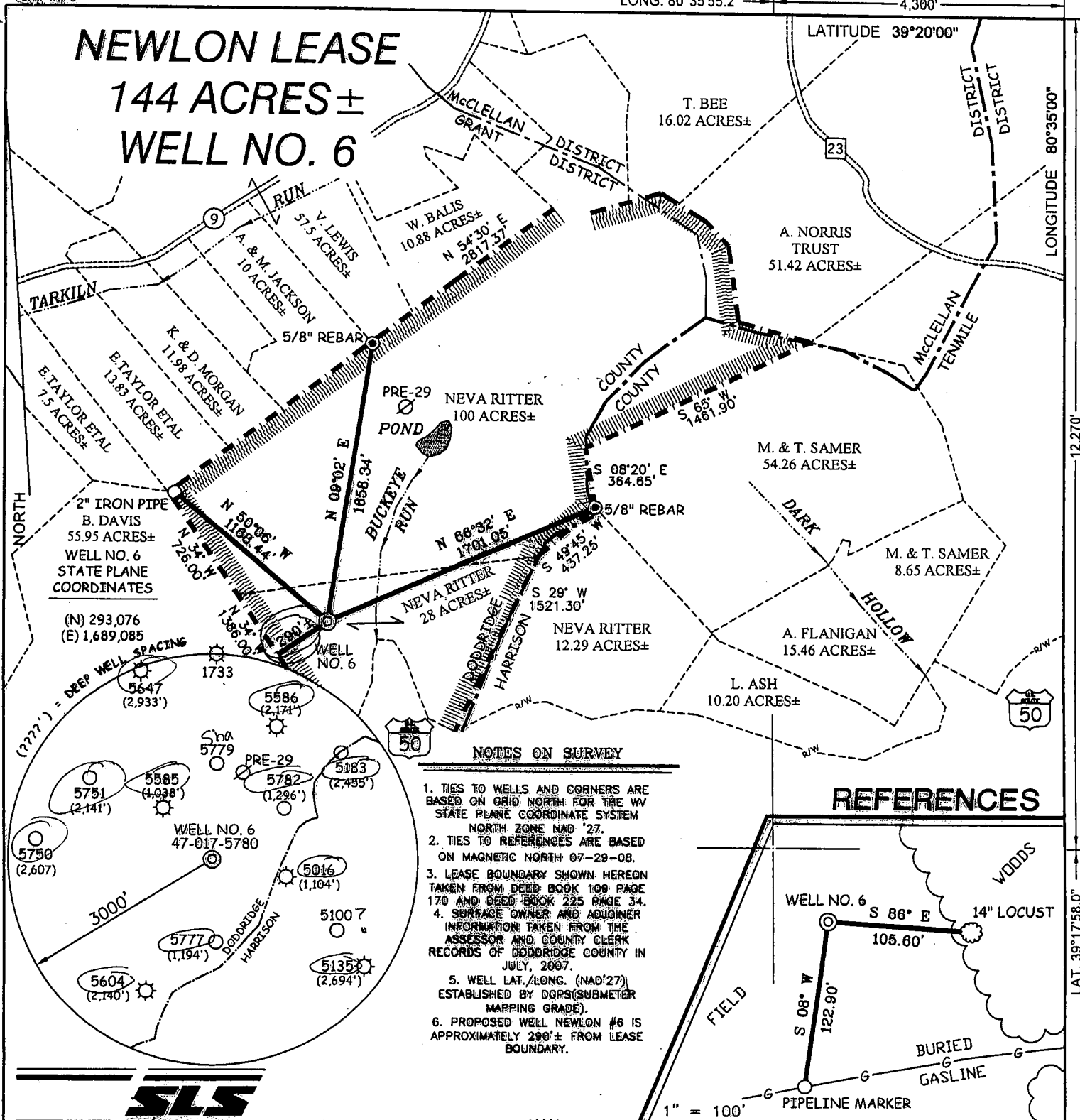
Permitted Deep Wells within 3000':

- 8 wells*
- ✓ ① Permit # ~~47~~<sup>2455</sup>-033-5183 (Hall Drilling Newlon No. 4) ✓
  - ✓ ② Permit # ~~47~~-033-5016 (Hall Drilling N. Ritter No. 1) ✓
  - S { ~~3~~ ③ Permit # 47-033-5135 (Hall Drilling Harbert No. 1)
  - S { ~~4~~ ④ Permit # 47-017-5777 (Hall Drilling Van Scoy No. 2)
  - ✓ { ⑤ Permit # ~~47~~-017-5604 (Hall Drilling Van Scoy No. 1) ✓
  - ✓ ⑥ Permit # ~~47~~-017-5782 (Hall Drilling Newlon No. 3) ✓
  - ✓ ⑦ Permit # 47-017-5586 (Hall Drilling Newlon No. 2) ✓
  - ✓ ⑧ Permit # 47-017-5585 (Hall Drilling Newlon No. 1) ✓
  - ✓ ⑨ Permit # 47-017-5751 (Hall Drilling Ash No. 1) ✓
  - S { ~~10~~ ⑩ Permit # ~~47~~-017-5647 (Hall Drilling Chess No. 1)
  - ✓ ⑪ Permit # 47-017-5750 (Hall Drilling Williams No. 1) ✓

Applying for a deep well permit to drill with 100 feet into the  
Onondaga per code

Hall Drilling has no issue drilling within the 3000 feet of our own wells  
as per those wells listed above in relationship to the proposed  
Newlon Well No. 6.

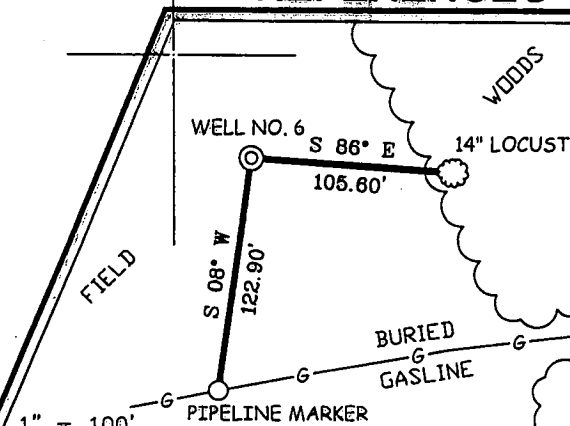
# NEWLON LEASE 144 ACRES± WELL NO. 6



## NOTES ON SURVEY

1. TIES TO WELLS AND CORNERS ARE BASED ON GRID NORTH FOR THE WV STATE PLANE COORDINATE SYSTEM NORTH ZONE NAD '27.
2. TIES TO REFERENCES ARE BASED ON MAGNETIC NORTH 07-29-08.
3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM DEED BOOK 109 PAGE 170 AND DEED BOOK 225 PAGE 34.
4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF DODDRIDGE COUNTY IN JULY, 2007.
5. WELL LAT./LONG. (NAD'27) ESTABLISHED BY DGPS (SUBMETER MAPPING GRADE).
6. PROPOSED WELL NEWLON #6 IS APPROXIMATELY 290'± FROM LEASE BOUNDARY.

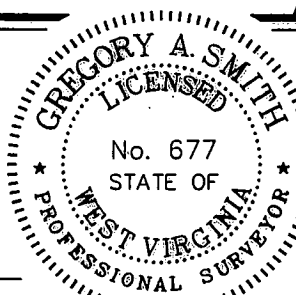
## REFERENCES



I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DIVISION OF ENVIRONMENTAL PROTECTION.

P.S.  
677

*Gregory A. Smith*



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

DATE OCTOBER 1, 20 08  
REVISED DECEMBER 9, 20 08  
OPERATORS WELL NO. NEWLON #6  
API WELL NO. 47 - 017 - 5780  
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 6714P6R2(264-52)  
PROVEN SOURCE OF ELEVATION DGPS (SUBMETER MAPPING GRADE) SCALE 1" = 800'

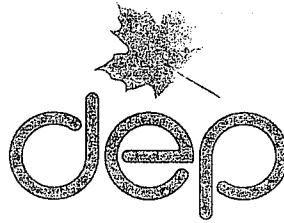
STATE OF WEST VIRGINIA  
DIVISION OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS



WELL TYPE: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/>	LIQUID INJECTION <input type="checkbox"/>	WASTE DISPOSAL <input type="checkbox"/>	IF "GAS" PRODUCTION <input checked="" type="checkbox"/>	STORAGE <input type="checkbox"/>	(NOTE 6) DEEP <input checked="" type="checkbox"/> SHALLOW <input type="checkbox"/>
LOCATION: ELEVATION <u>1,252'</u> WATERSHED <u>BUCKEYE RUN</u> DISTRICT <u>GRANT</u> COUNTY <u>DODDRIDGE</u> QUADRANGLE <u>SALEM 7.5'</u>					
SURFACE OWNER <u>NEVA RITTER</u>			ACREAGE <u>28±</u>		
ROYALTY OWNER <u>C. MUTSCHELKNAUS ETAL</u>			LEASE ACREAGE <u>144±</u>		
PROPOSED WORK: DRILL <input checked="" type="checkbox"/> CONVERT <input type="checkbox"/> DRILL DEEPER <input type="checkbox"/> REDRILL <input type="checkbox"/> FRACTURE OR STIMULATE <input checked="" type="checkbox"/> PLUG OFF OLD FORMATION <input type="checkbox"/> PERFORATE NEW FORMATION <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> CLEAN OUT AND REPLUG <input type="checkbox"/> OTHER <input type="checkbox"/>			LEASE NO. <u>                    </u>		
PHYSICAL CHANGE IN WELL (SPECIFY) <u>                    </u>			TARGET FORMATION <u>MARCELLUS</u> ESTIMATED DEPTH <u>8,100'</u>		
WELL OPERATOR <u>HALL DRILLING, LLC</u>			DESIGNATED AGENT <u>MIKE HALL</u>		
ADDRESS <u>P.O. BOX 249</u> <u>ELLENBORO, WV 26346</u>			ADDRESS <u>P.O. BOX 249</u> <u>ELLENBORO, WV 26346</u>		

COUNTY NAME

PERMIT



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west virginia department of environmental protection

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Oil and Gas Conservation Commission  
601 57<sup>th</sup> Street, SE Charleston, WV 25304  
(304)926-0499, Ext 1656

Joe Manchin III, Governor  
Randy C. Huffman, Cabinet Secretary  
[www.wvdep.org](http://www.wvdep.org)

January 7, 2009

Department of Environmental Protection  
Office of Oil and Gas  
Charleston, WV 25304

RE: Application for Deep Well Permit – API #47-017-05781

COMPANY: Hall Drilling, LLC

FARM: Veta Balis - Welch #1

COUNTY: Doddridge DISTRICT: Grant QUAD: Salem

The application for the above company is APPROVED FOR ONONDAGA.  
*Marcellus completion Docket 196-189 137*

The applicant has complied with the provision of Chapter 22C-9, of the Code of West Virginia, nineteen hundred and thirty-one (1931), as amended, Oil and Gas Conservation Commission as follows:

1. Provided a certified copy of duly acknowledged and recorded consent and easement form from all surface owners; N/A
2. Provided a tabulation of all deep wells within one mile of the proposed location, including the API number of all deep wells, well name, and the name and address of the operator; \*see below
3. Provided a plat showing that the proposed location is a distance of 400 feet from the nearest lease line or unit boundary and showing the following wells drilled to or capable of producing from the objective formation within 3,000 feet of the proposed location.

Sincerely,

Cindy Raines  
Executive Assistant

\*1,600' to 47-017-05680



Lease Name: Welch Lease

Acreage: 64.5 Acres +/-

Well: Well No.1

Distance from nearest lease line: over 400 feet (as shown on plat)

Permitted Deep Wells within 3000':

OK (1) Permit # 47-~~033~~-5680 (Hall Drilling J.L. Cottrill)  
17

Applying for a deep well permit to drill with 100 feet into the  
Onondaga per code

Hall Drilling has no issue drilling within the 3000 feet of our own wells  
as per those wells listed above in relationship to the proposed Welch  
Well No. 1.

# WELCH LEASE

## 64.5 ACRES±

### WELL NO. 1

LATITUDE 39°20'00"

LONGITUDE 80°35'00"

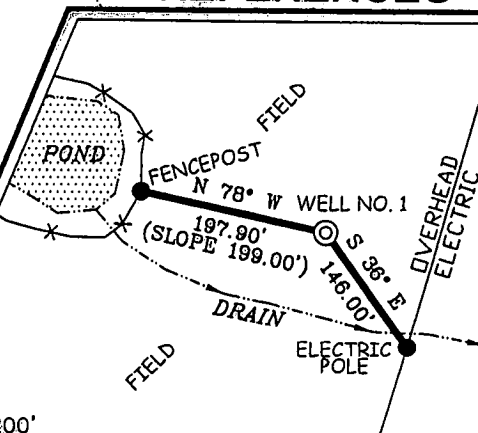
NORTH

WELL NO. 1  
STATE PLANE  
COORDINATES(N) 294,529  
(E) 1,682,487J. & S. FORD  
29.76 ACRES±VETA BALIS  
40 ACRES±R. & M. EARL  
24.5 ACRES±V. BALIS  
17.33 ACRES±WELL NO. 1  
47-017-5781W. LYONS ETUX  
1.5 ACRES±T. GOODSON ETAL  
26.19 ACRES±G. DAVIS ETAL  
28.23 ACRES±J. & S. FORD  
56.87 ACRES±

## NOTES ON SURVEY

1. TIES TO WELLS AND CORNERS ARE BASED ON GRID NORTH FOR THE WV STATE PLANE COORDINATE SYSTEM NORTH ZONE NAD '27.
2. TIES TO REFERENCES ARE BASED ON MAGNETIC NORTH 01-08-08.
3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM DEED BOOK 162 PAGE 676.
4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF DODDRIDGE COUNTY IN JULY, 2008.
5. WELL LAT./LONG. (NAD'27) ESTABLISHED BY DGPS (SUBMETER MAPPING GRADE).
6. PLAT HAS BEEN UPDATED TO SHOW DEEP WELL REQUIREMENTS TO DRILL INTO THE ONONDAGA FORMATION.

## REFERENCES



(+ ) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

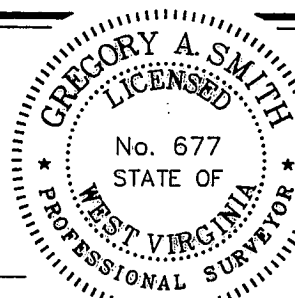
DATE JANUARY 17, 20 08

REVISED DECEMBER 10, 20 08

OPERATORS WELL NO. WELCH #1

API  
WELL NO. 47 - 017 - 5781  
STATE COUNTY PERMIT

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DIVISION OF ENVIRONMENTAL PROTECTION.

P.S.  
677

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 6741P1R2(252-32)  
PROVEN SOURCE OF ELEVATION DGPS (SUBMETER MAPPING GRADE) SCALE 1" = 500'

STATE OF WEST VIRGINIA  
DIVISION OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS



WELL TYPE: OIL \_\_\_\_\_ LIQUID GAS ☒ INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_ IF "GAS" PRODUCTION ☒ STORAGE \_\_\_\_\_ DEEP ☒ SHALLOW \_\_\_\_\_

LOCATION: ELEVATION 988' WATERSHED BUCKEYE RUN DISTRICT GRANT COUNTY DODDRIDGE QUADRANGLE SALEM 7.5'

SURFACE OWNER VETA BALIS ACREAGE 40± ROYALTY OWNER MARY WELCH ETAL LEASE ACREAGE 64.5±

PROPOSED WORK: DRILL ☒ CONVERT \_\_\_\_\_ DRILL DEEPER \_\_\_\_\_ REDRILL \_\_\_\_\_ FRACTURE OR STIMULATE ☒ PLUG OFF OLD FORMATION \_\_\_\_\_ PERFORATE NEW FORMATION \_\_\_\_\_ PLUG AND ABANDON \_\_\_\_\_ CLEAN OUT AND REPLUG \_\_\_\_\_ OTHER \_\_\_\_\_

PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_ TARGET FORMATION MARCELLUS ESTIMATED DEPTH 8,100'

WELL OPERATOR HALL DRILLING, LLC  
ADDRESS P.O. BOX 249  
ELLENBORO, WV 26346

DESIGNATED AGENT MIKE HALL  
ADDRESS P.O. BOX 249  
ELLENBORO, WV 26346

COUNTY NAME

PERMIT

**VIRCO**

**Docket 196-189**

BEFORE THE OIL AND GAS CONSERVATION COMMISSION  
OF THE STATE OF WEST VIRGINIA

IN THE MATTER OF THE REQUEST BY  
VIKING INTERNATIONAL RESOURCES, INC.  
FOR AN EXCEPTION LOCATION REGARDING  
THE DRILLING OF THE PROPOSED WELL  
IDENTIFIED AS THE COYLE #7 TO BE  
LOCATED IN MURPHY DISTRICT,  
RITCHIE COUNTY, WEST VIRGINIA.

DOCKET NO. 196  
CAUSE NO. 189

**TRANSCRIPT OF PROCEEDINGS** had or testimony  
adduced in the above-entitled matter, on the on the 6<sup>th</sup> day  
of January, 2009, commencing at 11:49 a.m. and concluding  
at 12:00 p.m., at the Office of the Department of  
Environmental Protection, 601 57<sup>th</sup> Street, S.E.,  
Charleston, Kanawha County, West Virginia, pursuant to  
notice to all interested parties.

BEFORE: JAMES MARTIN, Acting Chairman  
ANTHONY GUM, Member  
ROBERT RADABAUGH, Member  
CYNTHIA RAINES, Staff

**ORIGINAL**

**NANCY MCNEALY**  
CERTIFIED COURT REPORTER  
Post Office Box 13415  
Charleston, West Virginia 25360-0415  
(304) 988-2873 FAX (304) 988-1419

APPEARANCES:

ON BEHALF OF VIKING INTERNATIONAL  
RESOURCES COMPANY, INC.:

**DAVID PERKINSON**

**RICK ZICKEFOOSE**

VIRCO, Inc.

Post Office Box 100

Reno, Ohio 45773

## I N D E X

Applicant's Witness:            Direct

David Perkinson	4
Rick Zickefoose	4

<u>Commission's Exhibits:</u>	<u>Marked</u>	<u>Received</u>
No. 1, Notice of Hearing and Return Receipt Cards	4	4
No. 2, Confirmation of Receipt of the Legal Advertisements	4	4
No. 3, Permit Application	4	4
No. 4, Well Operator's Report	7	7

Reporter's Certificate.....Page 16

1                   CHAIRMAN MARTIN:     Before the Oil and Gas  
2     Conservation Commission of the State of West Virginia in  
3     the matter of the Request by Viking International Resources  
4     Company, Inc., for an Exception Location Regarding the  
5     Drilling of the Proposed Well Identified as the Coyle No. 7  
6     to be Located in Murphy District, Ritchie County, West  
7     Virginia. This is Docket 196, Cause 189.

8                   I'd like to place of record a copy of the  
9     Notice of Hearing with the Return Receipt Cards as Exhibit  
10    1, Exhibit 2, Confirmation of Receipt to the Legal  
11    Advertisements, Exhibit No. 3, a copy of the Permit  
12    Application for the Coyle No. 7.

13                                       (WHEREUPON, the Notice of  
14                                       Hearing, Confirmation of Receipt  
15                                       and Permit Application were  
16                                       marked as Exhibit Nos. 1, 2, and  
17                                       3 for identification and received  
18                                       into evidence.)

19                   CHAIRMAN MARTIN:     Let the record show members  
20     of the Commission present today are Anthony Gum, Robert  
21     Radabaugh, James Martin, and from the Commission Staff,  
22     Cindy Raines. At this time, we will take appearances.

23                   MR. PERKINSON:       Dave Perkinson.

24                   MR. ZICKEFOOSE:      Rick Zickefoose.

1 CHAIRMAN MARTIN: And both of you are with  
2 Viking International Resources?

3 MR. PERKINSON: Correct.

4 MR. ZICKEFOOSE: Yes, sir.

5 CHAIRMAN MARTIN: Will both of you be  
6 testifying today?

7 MR. ZICKEFOOSE: He'll mostly. If it's  
8 necessary, I will.

9 CHAIRMAN MARTIN: Why don't we swear both of  
10 you in?

11 MR. PERKINSON: Okay.

12 (Witnesses sworn)

13 CHAIRMAN MARTIN: Okay, Mr. Perkinson, if you'd  
14 like to present your case?

15 THEREUPON

16 **D A V I D P E R K I N S O N**

17 **R I C K Z I C K E F O O S E**

18 called as a witnesses on behalf of Viking International  
19 Resources Company, Inc., having been first duly sworn,  
20 testified as follows:

21 WITNESS PERKINSON: All right, VIRCO is  
22 requesting a spacing variance for the Coyle No. 7 Well  
23 situated there in Ritchie County, West Virginia. The  
24 proposed location is situated 2,350 feet from the existing



1 Coyle No. 6 Well that Viking drilled this past year. The  
2 well that -- the No. 7 Well will be drilled in the -- will  
3 be producing Marcellus; is that correct?

4 WITNESS ZICKEFOOSE: Yeah.

5 WITNESS PERKINSON: Have you got anything to  
6 add?

7 WITNESS ZICKEFOOSE: Well, the main thing is  
8 the spacing being less than 3,000 feet from the Coyle No.  
9 6, we'd like to enter into evidence that the Coyle No. 6  
10 was permitted as a deep well, but it is producing a  
11 producing Marcellus well. There are no perforations below  
12 the top of the Onondaga And even though it was permitted as  
13 a deep well, it is a non -- it is a shallow-producing well  
14 and, therefore, we ask for the variance to be approved. It  
15 will be, you know, less than 3,000 feet because it's not an  
16 actually a producing deep well, Coyle No. 6.

17 MR. GUM: What other variances are  
18 you requesting?

19 WITNESS ZICKEFOOSE: None, just the variance  
20 and distance.

21 MR. GUM: Just the 3,000?

22 WITNESS ZICKEFOOSE: 3,000 feet.

23 MR. GUM: You consider it a non-  
24 producing deep well, permitted?

1                   WITNESS ZICKEFOOSE:           Yes, the one that we  
2 drilled that we -- that is causing us to be less than 3,000  
3 feet from a deep -- permitted deep well is our own Coyle  
4 No. 6 Well.

5                   MR. GUM:                        Okay.

6                   WITNESS ZICKEFOOSE:           And it's -- it is  
7 producing above the top of the Onondaga.

8                   MR. GUM:                        Okay.

9                   WITNESS ZICKEFOOSE:           What I submitted was IV-  
10 35 Completion Report that was submitted to the State in  
11 November and it should be a matter of public record by this  
12 time. No perforations are indicated and it shouldn't be --  
13 it is no -- it is not a qualifying deep well.

14                  CHAIRMAN MARTIN:                Would you like to submit  
15 this as an exhibit today?

16                  WITNESS PERKINSON:             Yes, sir.

17                  CHAIRMAN MARTIN:                Okay, and this will be  
18 Exhibit No. 4. That's the well record for that Coyle No. 6  
19 Permit, Ritchie County 9746.

20   (WHEREUPON, the Well Record for  
21 Coyle No. 6 Permit was marked as  
22 Exhibit No. 4 for identification  
23 and received in evidence.)

24                  MR. GUM:                        Then the other exception

1 is the depth if I read it on here, you want to go 100 feet  
2 beyond the Onondaga?

3 WITNESS PERKINSON: Yes.

4 WITNESS ZICKEFOOSE: Oh, yeah.

5 MR. GUM: So you do want another  
6 exception? One is the distance of 3,000?

7 WITNESS PERKINSON: Well, if -- once I get  
8 the exception for the 3,000 feet, then if it's okay to do a  
9 deep well, then I can go below the Onondaga if I get the  
10 exception, because this is not technically 3,000 feet from  
11 a producing deep well.

12 CHAIRMAN MARTIN: Okay, I want to make  
13 sure I understand too. There's only the one well --

14 WITNESS PERKINSON: That is --

15 CHAIRMAN MARTIN: -- that's permitted as a  
16 deep well --

17 WITNESS PERKINSON: That's correct.

18 CHAIRMAN MARTIN: -- within 3,000 and  
19 that's your own 9746?

20 WITNESS PERKINSON: That's correct; that's  
21 correct.

22 CHAIRMAN MARTIN: All these other wells on  
23 your plat, those are all shallow wells?

24 WITNESS PERKINSON: Are shallow wells.

1 WITNESS ZICKEFOOSE: Yeah.

2 CHAIRMAN MARTIN: And you may have already  
3 testified to this but perhaps I missed it. How close are  
4 you to the lease line?

5 WITNESS PERKINSON: Not too -- you tell him.

6 WITNESS ZICKEFOOSE: Well, you tell him.

7 WITNESS PERKINSON: Yeah, it's 350 feet,  
8 approximately 350 feet.

9 WITNESS ZICKEFOOSE: Also we need a variance  
10 from --

11 WITNESS PERKINSON: Yeah, from the lease --  
12 yeah, from the lease line also, yeah.

13 WITNESS ZICKEFOOSE: Then I was wrong. I  
14 apologize.

15 MR. GUM: Okay, I'm trying to get  
16 all my ducks in order here. So 3,000 feet?

17 WITNESS PERKINSON: Yes.

18 MR. GUM: And then the 400 feet?

19 WITNESS PERKINSON: Yes, that's correct.

20 CHAIRMAN MARTIN: Okay. And the well is  
21 permitted to the two -- drilled through the Onondaga but  
22 just produced to Marcellus.

23 MR. GUM: Okay, so you're really  
24 looking for three different things from us.

1                   CHAIRMAN MARTIN:                   Yeah, and I want to make  
2                   sure I understand. We are less than 400 feet from the  
3                   lease line?

4                   WITNESS PERKINSON:                   Yeah, I didn't realize  
5                   that is correct. I'm sorry.

6                   CHAIRMAN MARTIN:                   How far?

7                   WITNESS PERKINSON:                   350.

8                   CHAIRMAN MARTIN:                   350?

9                   WITNESS PERKINSON:                   Uh-huh (yes).

10                  MR. GUM:                                Okay, that's what I'm  
11                  trying to get all the facts straight.

12                  CHAIRMAN MARTIN:                   Is there any reason that  
13                  we can't move that location to give us 400 feet?

14                  WITNESS PERKINSON:                   There's an access road  
15                  just to the north -- north of the location and Heartwood  
16                  uses that road also. Heartwood Forest is a fire -- they  
17                  call it a fire break, a fire road also, and we're kind of  
18                  butting right up against that.

19                  CHAIRMAN MARTIN:                   You're on the south of  
20                  that?

21                  WITNESS PERKINSON:                   Yeah, just south of that  
22                  road.

23                  CHAIRMAN MARTIN:                   So you couldn't go --  
24                  you couldn't go to the north the extra 50 feet because of

1 that?

2 WITNESS PERKINSON: Yeah, and the terrain  
3 gets a little bit -- terrain issues there on the other side  
4 if I recall there.

5 CHAIRMAN MARTIN: Is this a vertical well?

6 WITNESS ZICKEFOOSE: Correct.

7 CHAIRMAN MARTIN: And just so we're clear,  
8 the need for the extra footage, the 100 foot --

9 WITNESS PERKINSON: 100 foot below.

10 CHAIRMAN MARTIN: What's -

11 WITNESS PERKINSON: Is for logging.

12 CHAIRMAN MARTIN: Briefly what is that  
13 for?

14 WITNESS PERKINSON: It's for logging and  
15 production purposes to allow us if necessary we have to  
16 pump the well to be able to put the tubing below the --  
17 below the top Onondaga so we can produce the -- produce the  
18 gas out of the Onondaga without gas locking the pump.  
19 Although, like I said, no perforations would be below the  
20 top of the Onondaga.

21 CHAIRMAN MARTIN: What kind of fracture  
22 treatment are you proposing for this well?

23 WITNESS PERKINSON: It'll be -- it'll be  
24 approximately a 15 to 16,000 barrel of water and sand.

1 CHAIRMAN MARTIN: Is that your typical --

2 WITNESS PERKINSON: Yes, it is.

3 CHAIRMAN MARTIN: -- design?

4 WITNESS PERKINSON: Yes, it is. It'll be  
5 pretty much identical to the fracture that is illustrated  
6 on Coyle No. 6 on the back of IV-35.

7 CHAIRMAN MARTIN: Mr. Perkinson, anything  
8 else you want to tell us about this request?

9 WITNESS PERKINSON: We do operate the lease  
10 to the south of this Coyle lease so I don't know if that  
11 has any --

12 CHAIRMAN MARTIN: Where most of the  
13 shallow wells are?

14 WITNESS PERKINSON: Yeah, uh-huh.

15 CHAIRMAN MARTIN: Okay. And just for my  
16 curiosity there if you've got the plat in front of you,  
17 where is the Coyle No. 6?

18 WITNESS PERKINSON: Okay.

19 CHAIRMAN MARTIN: It's not marked other  
20 than within the circle; is it? I just -- I didn't see it  
21 if it was.

22 WITNESS PERKINSON: Yeah, it's to the -- the  
23 northeast.

24 CHAIRMAN MARTIN: Right.

1	WITNESS PERKINSON:	I don't have it marked
2	on here.	
3	MR. RADABAUGH:	What was the number on
4	7?	
5	MS. RAINES:	Permit 7 -
6	CHAIRMAN MARTIN:	Permit 746.
7	WITNESS PERKINSON:	See where it has a 143-
8	acre lease?	
9	CHAIRMAN MARTIN:	Right.
10	WITNESS PERKINSON:	It's around that C&E up
11	in that area there, yeah.	
12	WITNESS ZICKEFOOSE:	If you want to see it,
13	he's got it marked on --	
14	THE WITNESS:	I've got it marked here
15	to a topo here.	
16	CHAIRMAN MARTIN:	Okay, that's fine.
17	Anything further?	
18	WITNESS PERKINSON:	No, thank you.
19	CHAIRMAN MARTIN:	Gentlemen, any
20	questions?	
21	MR. RADABAUGH:	No.
22	MR. GUM:	No.
23	CHAIRMAN MARTIN:	Okay, if there's nothing
24	further today, we'll close the record temporarily while we	



1 deliberate.

2 (Witnesses stand aside.)

3 (WHEREUPON, the Commission  
4 deliberated from 12:00 p.m.  
5 to 12:05 p.m. off the record,  
6 after which the proceeding  
7 continued as follows:)

8 CHAIRMAN MARTIN: Okay, I guess we're  
9 ready to go back on the record. Do I have a motion?

10 MR. RADABAUGH: I'd like to make a  
11 motion. I make a motion to grant VIRCO their request for  
12 an exception to the rule for the Coyle No. 7, Ritchie  
13 County 9779 to be within 400 feet of the lease line. Also  
14 to allow the exception to be within 3,000 feet of another  
15 permitted deep well. Also an exception to allow VIRCO to  
16 drill 100 feet into the Onondaga formation for the purpose  
17 of logging and production rathole.

18 VIRCO shall submit to the Commission an  
19 affidavit signed by an officer of the company stating  
20 nothing below the top of the Onondaga will be perforated,  
21 frac'd, or is being produced. They shall also submit a  
22 well log and perforation log of said well. If at a later  
23 date, they decide to produce anything below the top of the  
24 Onondaga, they must appear before the Commission and

1 request such.

2 CHAIRMAN MARTIN: Okay, do I have a  
3 second?

4 MR. GUM: Second that motion.

5 CHAIRMAN MARTIN: Is there any need for  
6 further discussion? All those in favor, say aye.

7 BOARD: Aye.

8 CHAIRMAN MARTIN: Opposed? Okay, motion  
9 carried. Anything else that needs to go on record from  
10 VIRCO?

11 MR. PERKINSON: No.

12 MR. ZICKEFOOSE: No, sir.

13 CHAIRMAN MARTIN: From the Commission?  
14 Anybody, Cindy?

15 MS. RAINES: No.

16 CHAIRMAN MARTIN: Okay, thank you. we'll  
17 close the record.

(WHEREUPON, the proceeding was concluded.)

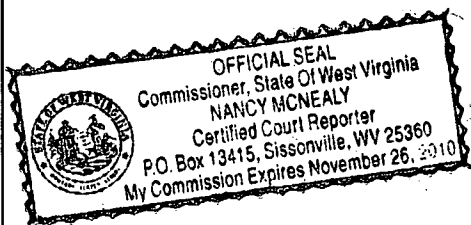
**REPORTER'S CERTIFICATE**

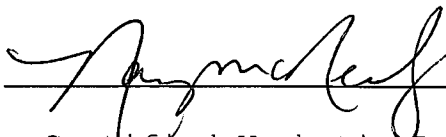
STATE OF WEST VIRGINIA,  
COUNTY OF KANAWHA, to wit:

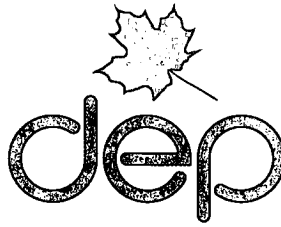
I, **NANCY MCNEALY**, Certified Verbatim Court Reporter and Commissioner of West Virginia, do hereby certify that the foregoing is, to the best of my skill and ability, a true and accurate transcript of all the proceedings as set forth in the caption hereof.

Given under my hand this 19th day of  
January, 2009.

My commission expires November 26, 2010.



  
\_\_\_\_\_  
Certified Verbatim Reporter  
Commissioner of West Virginia



west virginia department of environmental protection

Oil and Gas Conservation Commission  
601 57<sup>th</sup> Street, SE Charleston, WV 25304  
(304)926-0499, Ext 1656

Joe Manchin III, Governor  
Randy C. Huffman, Cabinet Secretary  
www.wvdep.org

**BEFORE THE OIL AND GAS CONSERVATION COMMISSION  
OF THE STATE OF WEST VIRGINIA**

IN THE MATTER OF THE REQUEST BY VIKING  
INTERNATIONAL RESOURCES COMPANY, INC.  
FOR AN EXCEPTION LOCATION REGARDING THE  
DRILLING OF THE PROPOSED WELL IDENTIFIED AS  
THE COYLE #7 TO BE LOCATED IN MURPHY  
DISTRICT, RITCHIE COUNTY, WEST VIRGINIA.

DOCKET NO. 196  
CAUSE NO. 189

**NOTICE OF HEARING**

Viking International Resources Company, Inc. ("VIRCO") has requested the Commission grant an exception to Rule 39.1.4.2 for the proposed well identified as the Coyle #7, to be located in Ritchie County, West Virginia. The proposed well location does not meet the spacing requirements imposed on deep wells; therefore, VIRCO has requested approval from the Commission for an exception to the rule as provided in 39.1.4.3.

The matter has been scheduled as stated below:

DATE: January 6, 2009

TIME: 11:00 a.m.

PLACE: Department of Environmental Protection  
Office of Oil and Gas  
601 57<sup>th</sup> Street, SE  
Charleston, WV 25304

IN THE NAME OF THE STATE OF WEST VIRGINIA

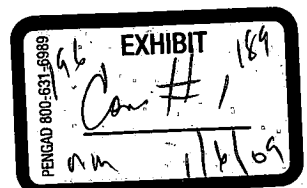
OIL AND GAS CONSERVATION COMMISSION  
OF THE STATE OF WEST VIRGINIA

By: \_\_\_\_\_

Barry K. Lay, Chairman

Dated this 11<sup>th</sup> day of December, 2008, at Charleston, West Virginia.

Promoting a healthy environment.



**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

**Heartwood Forestland Fund**  
**2911 Emerson Ave., Suite A**  
**Parkersburg, WV 26104**

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature

*Paula A. Linder*☐ Agent☐ Addressee

B. Received by (Printed Name)

*Paula A. Linder*

C. Date of Delivery

Address different from item 1? ☐ Yes  
delivery address below: ☐ No

☒ Certified Mail☐ Express Mail☐ Registered☐ Return Receipt for Merchandise☐ Insured Mail☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

2. Article Number

(Transfer from service label)

7008 0500 0001 2132 4487

**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, over the front flap.

**Viking International Resources Co., Inc.**  
**Attention: Rick Zickefoose**  
**P O Box 100**  
**Reno, OH 45773**

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature

☒ X*Phyllis M. Wark*☒ Agent☐ Addressee

B. Received by (Printed Name)

*Phyllis M. Wark*

C. Date of Delivery

*12/17/08*address different from item 1? ☐ Yesother delivery address below: ☐ No

3. Service type

☒

Certified Mail

☐

Express Mail

☐

Registered

☐

Return Receipt for Merchandise

☐

Insured Mail

☐

C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

2. Article Number

(Transfer from service label)

7008 0500 0001 2132 4494

SENT BY: Docket 196-189

DEPARTMENT: \_\_\_\_\_

**DO NOT METER**

**INTERDEPARTMENTAL MAIL**

**Raines, Cindy J**

---

**From:** news@ritchiecountynews.com  
**Sent:** Monday, December 15, 2008 8:04 PM  
**To:** Raines, Cindy J  
**Subject:** RE: LEGAL AD

We have received your legal advertisement, and it is scheduled for publication Dec. 17 and 24. Thank you very much.

The Pennsboro News

----- Original Message -----

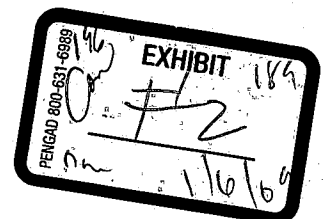
**Subject:** LEGAL AD  
**From:** "Raines, Cindy J" <Cindy.J.Raines@wv.gov>  
**Date:** Mon, December 15, 2008 8:28 am  
**To:** <news@ritchiecountynews.com>

Please print the enclosed legal ad twice, prior to January 6, 2009 and send certification and invoice to:

Oil and Gas Conservation Commission  
601 57<sup>th</sup> Street, SE  
Charleston, WV 25304

Please confirm receipt of email request.

Thanks,  
Cindy Raines  
926-0499 Ext 1656





**Raines, Cindy J**

---

**From:** Raines, Cindy J  
**Sent:** Monday, December 15, 2008 8:29 AM  
**To:** 'news@ritchiecountynews.com'  
**Subject:** LEGAL AD  
**Attachments:** OGCC 196-189.doc

Please print the enclosed legal ad twice, prior to January 6, 2009 and send certification and invoice to:

Oil and Gas Conservation Commission  
601 57<sup>th</sup> Street, SE  
Charleston, WV 25304

Please confirm receipt of email request.

Thanks,  
Cindy Raines  
926-0499 Ext 1656

1) Date: November 13, 2008  
2) Operator's Well Number Coyle # 7

3) API Well No.: 47 - 85 - 09779  
State County Permit

**STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT  
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
NOTICE AND APPLICATION FOR A WELL WORK PERMIT**

85-3-450

4) Surface Owner(s) to be served:  
(a) Name Heartwood Forestland Fund  
IV Limited Partnership  
Address 2911 Emerson Ave., Suite A  
Parkersburg, WV 26104  
(b) Name \_\_\_\_\_  
Address \_\_\_\_\_  
(c) Name \_\_\_\_\_  
Address \_\_\_\_\_  
6) Inspector David Cowan  
Address Rt. 1, Box 202  
Harrisville, WV 26362  
Telephone 304/389-3509

5) (a) Coal Operator  
Name n/a  
Address \_\_\_\_\_  
(b) Coal Owner(s) with Declaration  
Name n/a  
Address \_\_\_\_\_  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
(c) Coal Lessee with Declaration  
Name n/a  
Address \_\_\_\_\_

**TO THE PERSONS NAMED ABOVE TAKE NOTICE THAT:**

☐ Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas

☒ Included is the information required by Chapter 22, Article 6, Section 8(d) of the Code of West Virginia (see page 2)  
I certify that as required under Chapter 22-6 of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through \_\_\_\_\_ on the above named parties by:

- ☒ Personal Service (Affidavit attached)  
☐ Certified Mail (Postmarked postal receipt attached)  
☐ Publication (Notice of Publication attached)

I have read and understand Chapter 22-6 and 35 CSR 4, and I agree to the terms and conditions of any permit issued under this application.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator Viking International Resources Co., Inc.  
By: Thomas G. Palmer  
Its: President  
Address P.O. Box 100  
Reno, OH 45773  
Telephone 740/373-8385

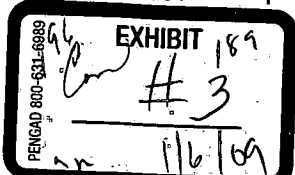
Subscribed and sworn before me this 13th day of November, 2008

My Commission Expires

Ashley Dishong  
10/21/2013



**ASHLEY DISHONG**  
Notary Public, State of Ohio  
My Commission Expires Oct. 21, 2013



STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
WELL WORK PERMIT APPLICATION

1) Well Operator Viking International Resources Co., Inc. 307612 85 Ritchie 3 Murph y 450 MacFarlan

Operator ID      County      District      Quadrangle

2) Operator's Well Number: Coyle # 7

3) Elevation: 921'

4) Well Type: (a) Oil ☒ or Gas ☒

(b) If Gas: Production ☒ Deep ☒

Underground Storage ☐ Shallow ☐

5) Proposed Target Formation(s): Marcellus Shale

6) Proposed Total Depth: 5.875' Feet

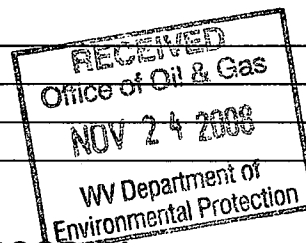
7) Approximate fresh water strata depths: 0'-200'

8) Approximate salt water depths: @1,000'

9) Approximate coal seam depths: 1,200' - 1,500'

10) Does land contain coal seams tributary to active mine? No

11) Describe proposed well work (See Attachment)



12) **CASING AND TUBING PROGRAM**

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft	For Drilling	Left in Well	Fill -up (Cu. Ft.)
Conductor	13 3/8"	L/S	37 lbs.	40'	40'	Driven
Fresh Water	9 5/8"	L/S	26 lbs.	295'	295'	To surface (122 cu. ft.)
Coal					<i>Adal</i>	<i>11-18-08</i>
Intermediate	7"	H-40	17 lbs.	2,100'	2,100'	To 9 5/8 casing (380 cu. ft.)
Production	4 1/2"	J-65	10.5 lbs.	n/a	6,050'	1,800' fill-up (238 cu. ft.)
Tubing						
Liners						

Packers: Kind  
Sizes  
Depths Set

*ck*  
*00000*  
*25101*  
*# 900*

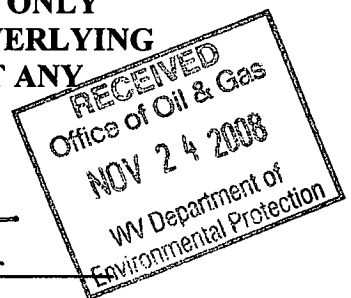
*10/2*

**FORM WW - 2B ATTACHMENT - PROPOSED WELL WORK**  
**WELL NAME: COYLE # 7**

1. Drill a 12 1/4" hole to 300'
2. Set 250' 9 5/8" surface casing and cement casing back to surface with Class A cement.
3. Drill a 8 3/4" hole 200 feet below the base of the Big Injun Sandstone; use KCL or shale stabilizer to insure hole stability if hole gets wet.
4. Run open-hole Electric-logs if natural shows warrant it.
5. Set 7" intermediate casing 150' below the base of the Big Injun Sandstone and cement casing back to the base of the 9 5/8" casing @ 300 feet.
6. Drill 6 1/2" hole through the Devonian Shales and 150 feet into top of the Onondaga Limestone. (See Note)
7. Run open-hole logs (GR./Neut./Deens./Ind.Temp./Audio) from total depth to the bottom of the 7" casing; run Gamma Ray to surface through casing.
8. Run 4 1/2" production casing approximately 100' into the top of the Onondaga Limestone and cement casing back to 4000' with 35/65 poz-mix cement.
9. Run cased-hole logs (GR./CCL./Bond) from T.D. to top of cement.
10. Perforate Marcellus Shale.
11. Frac Marcellus Shale with treated water and sand.
12. Flow/ Swab well back until well has been cleaned up.
13. Install production tubing and place well into production.
14. Test/Treat pit water and discharge according to state regulations.
15. Reclaim well site.

**\*\* NOTE: THE ONONDAGA LIMESTONE WILL BE PENETRATED ONLY FOR THE PURPOSE OF EVALUTING AND COMPLETING THE OVERLYING MARCELLUS SHALE. NO ATTTEMPT WILL BE MADE TO TREAT ANY ZONES WITHIN THE ONONDAGA LIMESTONE.**

  
**BEN SMELTZER**  
**GEOLOGIST - VIRCO, INC.**



INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE  
Chapter 22, Article 6, Section 8(d)  
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that -

- (1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Grantor, lessor, etc.	Grantee, lessee, etc.	Royalty	Book/Page
Triad Resources, Inc.	Viking International Resources Co., Inc.	7/8 W.I.	22/461
	Mead Westvaco Corp.	1/8	44/81



Well Operator: Viking International Resources Co., Inc.  
By: Thomas G. Palmer  
Its: President

West Virginia Department of Environmental Protection  
Office of Oil and Gas

## NOTICE TO SURFACE OWNERS

The well operator named below is preparing to file for a permit from the state to drill a new well. Before a well work permit can be filed with the Chief of the Office of Oil and Gas, the well operator is required to have given notice of the right to request water well or spring analytical testing. This notice shall be given to the owners or occupants of land which have a water well or spring being utilized for human consumption, domestic animals, or other general use and which is located within 1000 feet of the proposed well site.

With this form, the operator is giving you notice of your right to request analytical testing. The operator is required to sample and analyze the water wells or springs of all owners or occupants who request it. Therefore, if you wish to have your water well or spring tested, contact the operator named below.

All sampling shall be completed prior to drilling. Within thirty (30) days of the receipt of such sample analyses the operator shall submit the results to the Chief of the Office of Oil and Gas and to the owners or occupants who may have requested them.

If no water well or spring is located within 1000 feet, the Chief may require the operator to sample and analyze water from a water well or spring within 2000 feet of the proposed well site.

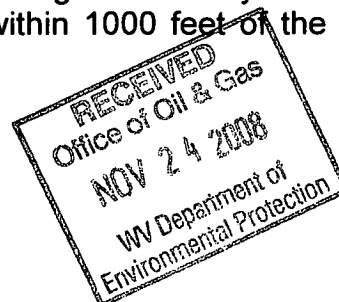
Be advised, you have the right to sample and analyze any water supply at your own expense.

The laboratory used by the operator to analyze the samples will be approved by the Chief. The operator named below has decided to use the following laboratory to analyze the water samples:

<u>Contractor Name</u>	<u>Kemron Enviromental Services</u>
<u>X</u> <u>Well operator's private laboratory</u>	
<u>Well Operator</u>	<u>Viking International Resources Co., Inc.</u>
<u>Address</u>	<u>P.O. Box 100</u>
	<u>Reno, OH 45773</u>
<u>Telephone</u>	<u>740/373-8385</u>

FOR OPERATOR'S USE ONLY: Below, or on an attached page, list those persons which were given this notice. Place an asterisk beside the one(s) that contacted you and requested sampling and analyses. If there were no requests made, indicate by underling which one you have selected to sample and analyze. If there are no water wells or springs within 1000 feet of the proposed site please indicate such.

John S. Lutz  
1109 7th Street  
Parkersburg, WV 26101



STATE OF WEST VIRGINIA  
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
CONSTRUCTION AND RECLAMATION PLAN AND SITE REGISTRATION APPLICATION FORM  
GENERAL PERMIT FOR OIL AND GAS PIT WASTE DISCHARGE

Operator Name Viking International Resources Company, Inc.  
307612

OP Code

Watershed Jack Run

Quadrangle MacFarlan

Elevation 921' County Ritchie

District Murphy

Description of anticipated Pit Waste: Drilling & Frac. Fluids.

Will a synthetic liner be used in the pit? Yes.

Proposed Disposal Method For Treated Pit Wastes:

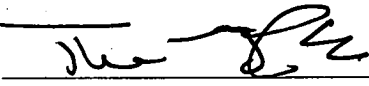
- ☒ Land Application  
☐ Underground Injection (UIC Permit Number:     )  
☐ Reuse (at API Number:     )  
☐ Off Site Disposal (Supply form WW-9 for disposal location)  
☐ Other (Explain:     )

Proposed Work For Which Pit Will Be Used:

- ☒ Drilling ☐ Swabbing  
☐ Work over ☐ Plugging  
☐ Other (Explain:     )

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on December 31, 1999, by the Office of Oil and Gas of the West Virginia Division of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

Company Official Signature 

Company Official (Typed Name) Thomas G. Palmer

Company Official Title President

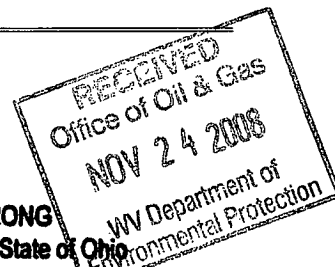
Subscribed and sworn before me this 13 day of November, 2008

Ashley Dishong Notary Public

My commission expires 10-21-2013

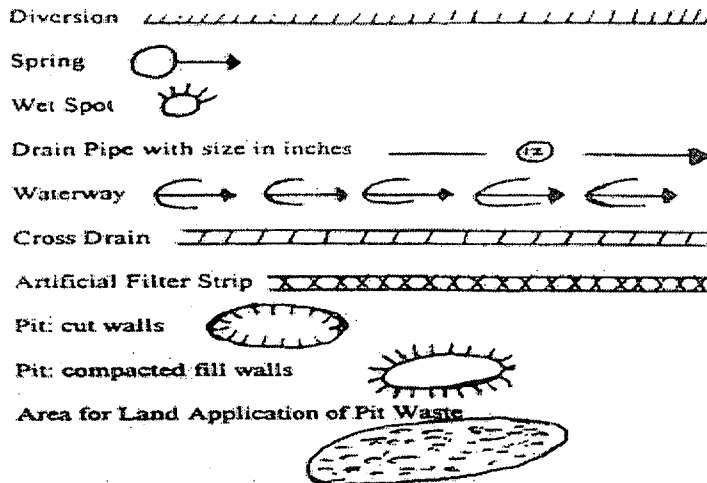
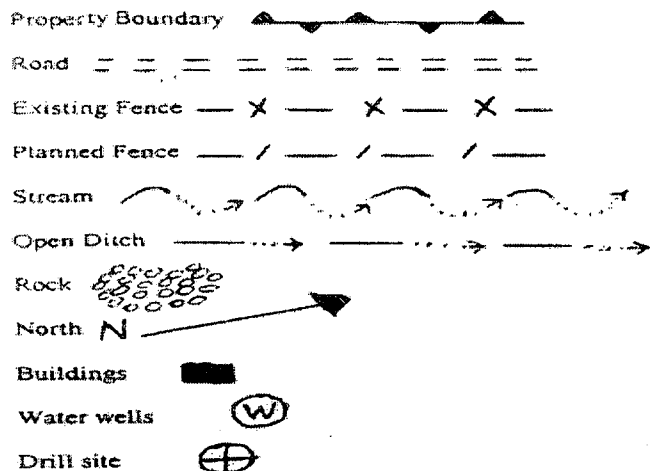


ASHLEY DISHONG  
Notary Public, State of Ohio  
My Commission Expires Oct. 21, 2013



89-09779

## LEGEND

Proposed Revegetation Treatment: Acres Disturbed  $\pm$  3 acres

Lime 2 Tons/acre or to correct to pH 6.5

Fertilizer (10-20-20 or equivalent) 600 lbs/acre (500 lbs minimum)

Mulch 90 Bales Tons/acre

Prevegetation pH 5.5

*Transposed much all but AREAS  
NO LESS than 2400 per ACRE*

## Seed Mixtures

## Area I

Seed Type	lbs/acre
Orchard Grass	30
Rye (Annual & BT)	35
Timothy (Climax)	25
Clover (Med. Red)	10

## Area II

Seed Type	lbs/acre
Orchard Grass	30
Rye (Annual & BT)	35
Timothy (Climax)	25
Clover (Med. Red)	10

Attach:

Drawing(s) of road, location, pit and proposed area for land application.

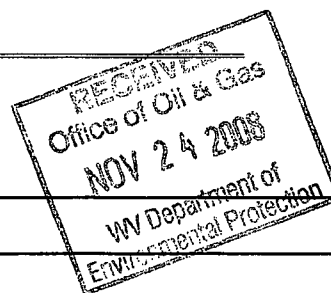
Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: *David W. Brown*

Comments: \_\_\_\_\_

Title: *oil & gas insp.*Date: *11-18-08*

Field Reviewed?

☒ Yes☐ No

2013



Affidavit Of Personal Service

State Of OH

County Of Washington

The undersigned, being first duly sworn, says that the undersigned served a true and complete copy of all sides of--

- (1) Notice on Form WW-2(A) X / WW-3(A)\_\_\_/ WW-4(A)\_\_\_/ WW-5(A)\_\_\_/ WW-6(A)\_\_\_
- (2) Application on Form WW-2(B) X / WW-3(B)\_\_\_/ WW-4(B)\_\_\_/ WW-5(B)\_\_\_/ WW-6(B)\_\_\_
- (3) Plat showing the well location on Form WW-6, and
- (4) Construction and Reclamation Plan on Form WW-9

--all with respect to operator's Well No. 7 Coyle located in Murphy District, Ritchie County, West Virginia, upon the person or organization named--

Heartwood Forestland Fund IV Limited Partnership

--by delivering the same in Wood County, State of West Virginia on the 20<sup>th</sup> day of November, 2008 in the manner specified below.

[COMPLETE THE APPROPRIATE SECTION]

For an individual:

☐ Handing it to him\_\_\_/ her\_\_\_/ or, because he\_\_\_/ she\_\_\_ refused to take it when offered it, by leaving it in his\_\_\_/ her\_\_\_/ presence.

☐ Handing it to a member of his or her family above the age of 16 years named \_\_\_\_\_ who resides at the usual place of abode of the person to be served, and asking the family member to give it to the person to be served as soon as possible.

For a partnership:

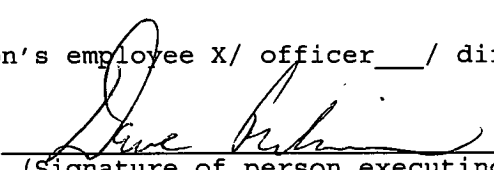
☐ Handing it to \_\_\_\_\_, a partner of the partnership or, because the partner refused to take it when I handed it over, by leaving it in the presence of the partner.

For a limited partnership:

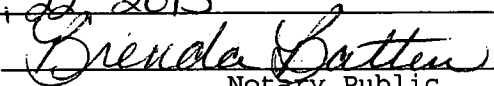
☐ Handing it to the general partner, named \_\_\_\_\_, or, because the general partner refused to take it when I tried to hand it over, by leaving it in the presence of the general partner.

For a corporation:

☒ Handing it to the corporation's employee X/ officer\_\_\_/ director\_\_\_/ attorney in fact\_\_\_/ named Greg Wilhelm.

  
(Signature of person executing service)

Taken, subscribed and sworn before me this 20<sup>th</sup> day of November 2008.  
My commission expires October, 22, 2013

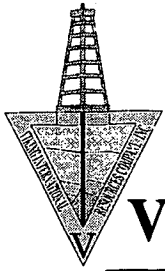
  
Notary Public

(AFFIX SEAL IF NOTARIZED OUTSIDE THE STATE)



BRENDAS. BATTEN  
Notary Public, State of Ohio  
My Commission Expires Oct. 22, 2013





**VIRCO, Inc.**

---

November 20, 2008

WV Division of Environmental Protection  
Office of Oil & Gas  
Attn: Kay Holtsclaw  
601 57<sup>th</sup> Street SE  
Charleston, WV 25304

VIA UPS

Subject: Permit Applications – Coyle # 7 & T.F. Overton # 5, Ritchie County, WV

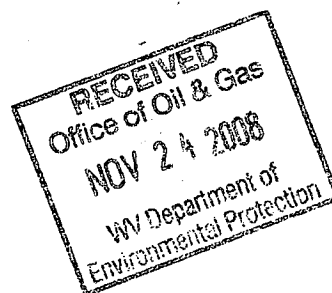
Dear Kay:

Enclosed herein for your review and further handling please find the above subject permit applications along with checks in the amount of \$ 900.00 each covering the required Deep Well Permit Fees.

If you have any questions or need additional information, please feel free to contact me at 740/525-3176.

Sincerely,

DAVE PERKINSON  
Landman



State of West Virginia  
Department of Environmental Protection  
Office of Oil and Gas

COPY

Well Operator's Report of Well Work

Farm name: Heartwood Forestland Operator Well No.: Coyle # 6  
LOCATION: Elevation: 1005' GL, 1012' KB Quadrangle: Macfarlan

District: Murphy County: Ritchie  
Latitude: 8100 Feet South of 39 Deg. 07 Min. 30 Sec.  
Longitude 8720 Feet West of 81 Deg. 10 Min. 00 Sec.

Company: Viking International Resources Co., Inc.

	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: P.O. Box 100 Reno, Ohio 45773	13 3/8"	32'	32'	Driven
Agent: Lloyd Todd				
Inspector: Dave Cowan	9 5/8"	336'	336'	To surface (136 cu. ft.)
Date Permit Issued: 8/25/2008				
Date Well Work Commenced: 9/22/2008				
Date Well Work Completed: 10/1/2008	7"	2199'	2199'	To surface (371 cu. ft.)
Verbal Plugging: N/A				
Date Permission granted on: N/A				
X-Rotary Cable Rig	4 1/2"	N/A	6040'	1800' Fill-up (235 cu. ft.)
Total Depth (feet): DTD=6050', 6078'				
Fresh Water Depth (ft.): Surface-200'				
Salt Water Depth (ft.): @ 1040'				
Is coal being mined in area (N/Y)? NO				
Coal Depths (ft.): Unknown				

OPEN FLOW DATA

Producing formation Marcellus Shale Pay zone depth (ft) 5833'-5905'  
Gas: Initial open flow 80 MCF/d Oil: Initial open flow -0- Bbl/d  
Final open flow 150 MCF/d Final open flow trace Bbl/d  
Time of open flow between initial and final tests 1 Week  
Static rock Pressure N/A psig (surface pressure) after N/A Hours

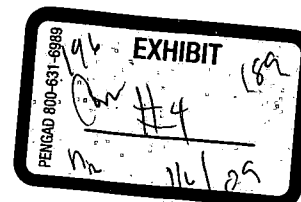
Second producing formation \_\_\_\_\_ Pay zone depth (ft) \_\_\_\_\_  
Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow \_\_\_\_\_ MCF/d Final open flow \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests \_\_\_\_\_ Hours  
Static rock Pressure \_\_\_\_\_ psig (surface pressure) after \_\_\_\_\_ Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

Signed: \_\_\_\_\_

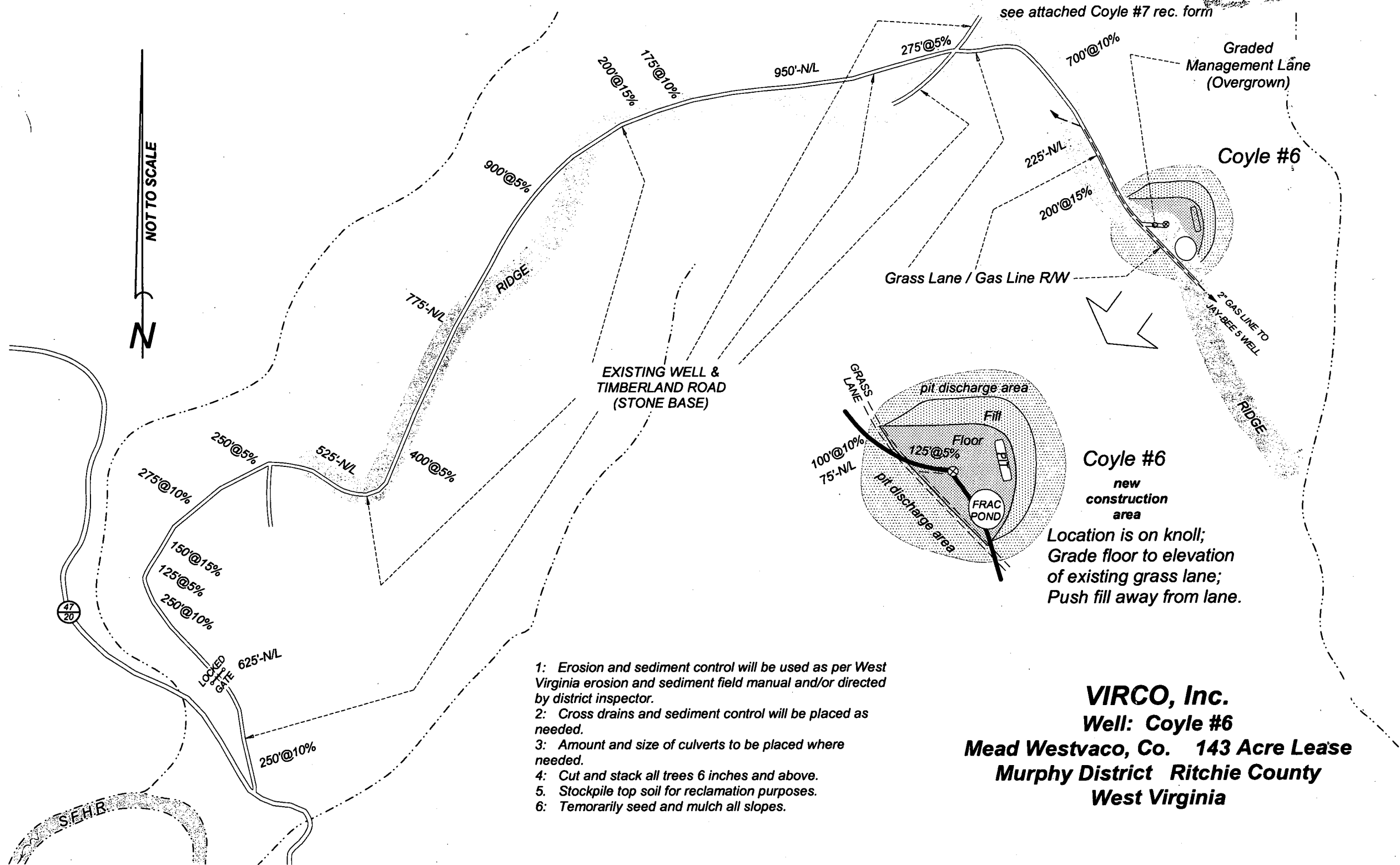
By: Ben Smeltzer-Geologist

Date: November 11, 2008



**Well Name: Coyle # 6****Permit # 47-085-09746****County: Ritchie****District: Murphy****Perforation: 99 holes from 5834' to 5905'****Stimulation: Slickwater Frac with Sand****Initial Breakdown Pressure = 1000 psi****Total Fluid Volume= 17,583 bbls****Total Proppant Volume= 310,000 lbs. (150m 80/100, 160m 20/40)****Total Acid Volume= 2,000 gals. 15% HCL****Average Treating Pressure= 3890 psi****Average Treating Rate= 73 BPM****Geologic Formations: ISIP= 1062 psi      5 min. SIP= 863 psi      10 min. SIP= 823 psi**

Formation Name	Depths	Lithology	Shows/Remarks
	Surface-1030'	Shale, Slst., Ss.	
2 <sup>nd</sup> Cow Run	1030'-1080'	Sandstone, tr. Sh.	
	1080'-1283'	Shale, Slst., tr. Coal	
1 <sup>st</sup> Salt Sand	1283'-1312'	Sandstone	
	1312'-1361'	Shale, Slst.	
2 <sup>nd</sup> Salt Sand	1361'-1430'	Sandstone	
	1430'-1486'	Shale, Slst., tr. Coal	
3 <sup>rd</sup> Salt Sand	1486'-1523'	Sandstone, Slst.	
	1523'-1742'	Shale, Slst., Ss., tr. Coal	Maxton Stray 1678'-1702'
Maxton	1742'-1848'	Sandstone, tr. Sh.	Good show oil & gas @ 1790'
	1848'-1850'	Shale	
Greenbrier	1850'-1978'	Limestone, tr. Ss.	
	1978'-1982'	Shale	
Big Injun	1982'-2047'	Sandstone, tr. Sh.	Show gas @ 2000'
	2047'-2404'	Shale, Siltstone	
Berea	2404'-2414'	Siltstone, Shale	No shows
	2414'-2510'	Siltstone, Shale	
Gantz	2510'-2562'	Siltstone, Shale	
	2562'-2794'	Shale, Siltstone	
Gordon	2794'-2804'	Sandstone, Siltstone	Well developed
	2804'-3667'	Shale, Siltstone	Top Huron Shale @ 3624'
Speechley	3667'-3737'	Shale, Siltstone	
	3737'-3844'	Shale, Siltstone	
Balltown	3844'-4004'	Siltstone, Shale	Show gas @ 3910'
	4004'-4462'	Shale, Siltstone	Base Huron Shale @ 4462'
Upper Olentangy	4462'-5447'	Shale, Siltstone	
Lower Olentangy	5447'-5905'	Shale, Siltstone, org, Shale	Show gas
Onondaga	5905'-6078'	Limestone, tr. Chert	
			Driller's T.D.= 6050'
			Logger's T.D.= 6078'
<b>NOTE!!</b>			
Rhinestreet Shale	5447'-5642'	Shale, Organic Shale	Slight show of gas
Marcellus Shale	5833'-5905'	Organic Shale, tr. Shale	Show gas @ 5880'



- 1: Erosion and sediment control will be used as per West Virginia erosion and sediment field manual and/or directed by district inspector.
- 2: Cross drains and sediment control will be placed as needed.
- 3: Amount and size of culverts to be placed where needed.
- 4: Cut and stack all trees 6 inches and above.
- 5: Stockpile top soil for reclamation purposes.
- 6: Temporarily seed and mulch all slopes.

**VIRCO, Inc.**  
**Well: Coyle #6**  
**Mead Westvaco, Co. 143 Acre Lease**  
**Murphy District Ritchie County**  
**West Virginia**

See Attached  
Coyle # 6  
Rec. Form

RIDGE

250'-NL

275'@5%

175'-NL

200'@5%

- 1: Erosion and sediment control will be used as per West Virginia erosion and sediment field manual and/or directed by district inspector.
- 2: Cross drains and sediment control will be placed as needed.
- 3: Amount and size of culverts to be placed where needed.
- 4: Cut and stack all trees 6 inches and above.
- 5: Stockpile top soil for reclamation purposes.
- 6: Temporarily seed and mulch all slopes.

EXISTING TIMBER  
MANAGEMENT ROAD

600'-NL

1300'@5%

NOT TO SCALE

N

Location is on level  
ground on broad ridge  
top; no grading required  
scrape top soil

Coyle #7

200'@10%

200'@15%

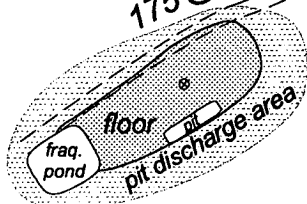
175'@5%

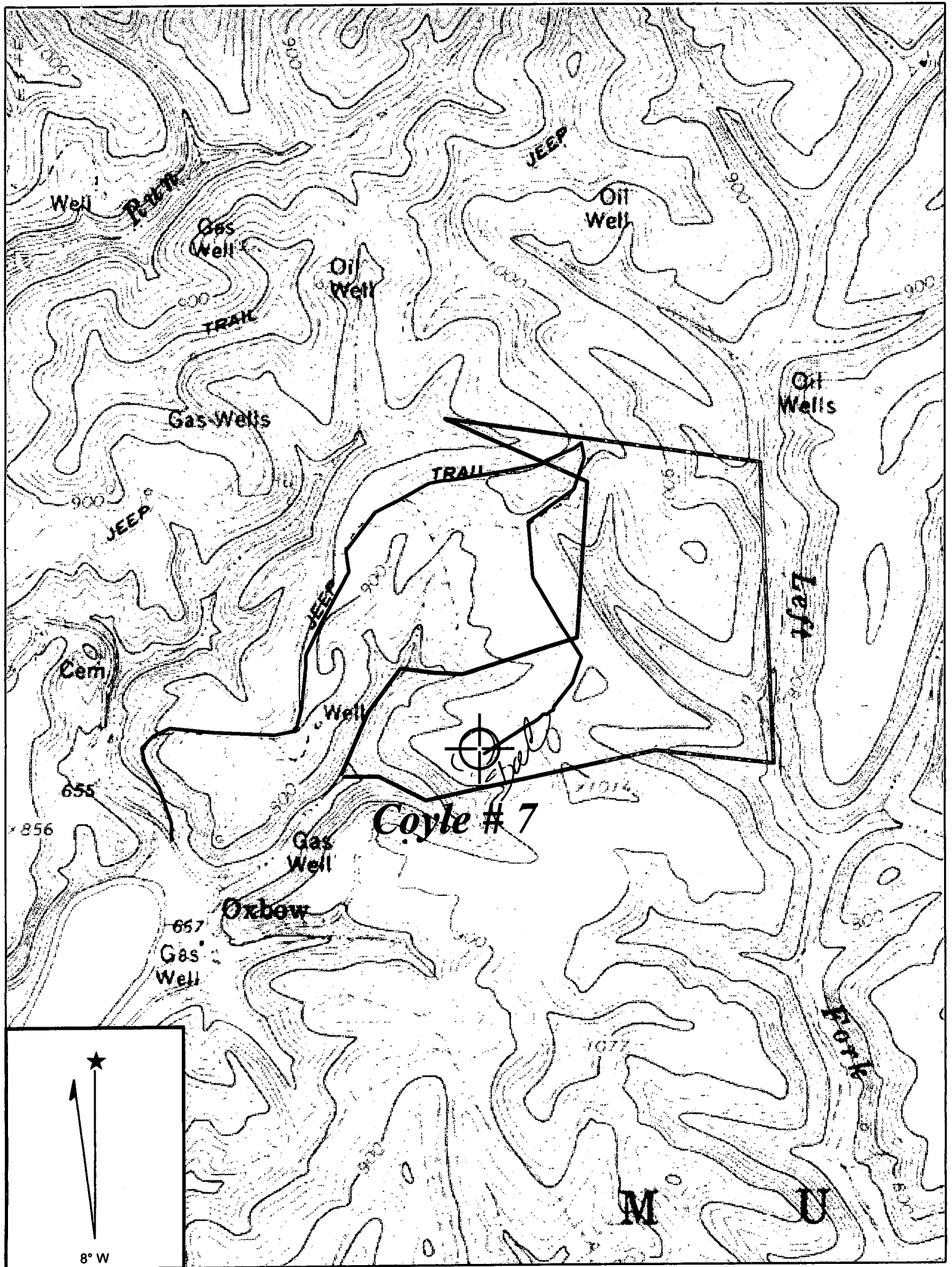
RIDGE

**VIRCO, Inc.**

**Well: Coyle #7**

**Heartwood Forestland 143 Acre Lease  
Murphy District Ritchie County  
West Virginia**





Copyright (C) 1997, Maptech, Inc.

**MACFARLAN QUADRANGLE**

SCALE 1" = 1000'

**VIRCO INC.**

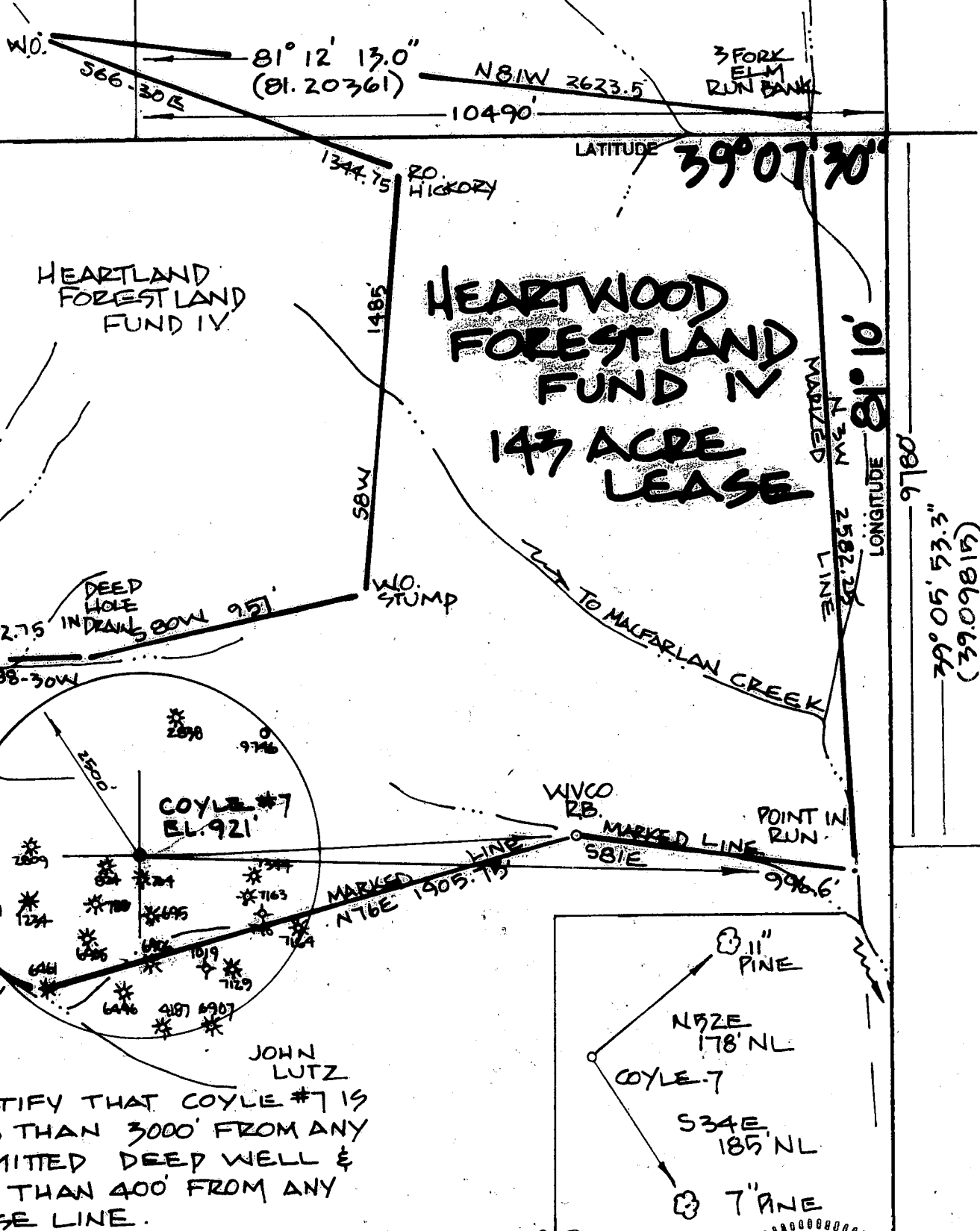
WELL: COYLE # 7

HEARTWOOD FORESTLAND FUND IV 143 ACRE LEASE

MURPHY DISTRICT

RITCHIE COUNTY

WEST VIRGINIA





Docket 196-189

VIRCO

Coyle #7 85-9779

Dave Perkinson - Rick Hickey

spacing variances ✓ ① 2350' from Coyle #6  
drilled this year operated by  
VIRCO

Marcellus completion

✓ ② 350' to lease line  
access road to N  
Heartwood Forest uses  
so

✓ ③ 100' into Onondaga  
affx

✓ issued

Wait for transcript

Write Order for  
Jan's signature

Coyle #7 - 9779

2500' to 85-9740

Coyle #6

Rick - (740) 373-8385

rick.zickefoose  
@vircoinc.us  
com

Email Rick

tentative date

(Rick  
OK)

Schedule for @  
Jan. 6th

Emailed

- ✓ Members
- ✓ Cert.
- ✓ Sgs
- ✓ C. Rep.
- ✓ newspaper
- ✓ Conf. Room

Emailed <sup>newspaper</sup> - reg'd confirmation